

20020906.qrp v02_n670.qrl.20020906

Date: Fri, 6 Sep 2002 19:03:07 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2670

QRP-L Digest 2670

Topics covered in this issue include:

- 1) [134324] Re: Cleaning aluminum antenna joints
by "George, W5YR" <w5yr@att.net>
- 2) [134325] Looking for a Ten-Tec 405 Amplifier
by "Alan Slusher" <aslusher@sunbeach.net>
- 3) [134326] scope problem
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 4) [134327] Re: End fed wire antenna
by Bill Coleman <aa4lr@arrl.net>
- 5) [134328] Better Coaxes
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 6) [134329] Re: Aluminum and aluminum oxides
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 7) [134330] Re: End fed wire antenna
by W2AGN <w2agn@w2agn.net>
- 8) [134331] Re: hawaii
by joe living <jliving2001@yahoo.com>
- 9) [134332] Re: hawaii
by joe living <jliving2001@yahoo.com>
- 10) [134333] Re: Manhattan Style Kits Coming
by john <john@wagner-usa.net>
- 11) [134334] RE: Home Power magazine
by Nick Kennedy <nkennedy@tcainternet.com>
- 12) [134335] FOR SALE
by <mgoins@usa.net>
- 13) [134336] FOR SALE
by <mgoins@usa.net>
- 14) [134337] RE: Don't you need a balun?
by Nick Kennedy <nkennedy@tcainternet.com>
- 15) [134338] Re: End fed wire antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 16) [134339] NEW EPROM QRP+..progress report.
by ve3ab@mail.mondenet.com
- 17) [134340] Re: Cleaning aluminum antenna joints
by David Hinerman <WD8CIV@worldnet.att.net>
- 18) [134341] Surplus Parts for September
by "Brian" <brian@iquest.net>
- 19) [134342] Mitybox status/pics

- by "Doug Hauff" <dhauff@digitalputty.com>
- 20) [134343] Re: Web site for Smith Charts for Dummies
by Dave Richards <wr3i@earthlink.net>
- 21) [134344] Vacation time!
by Steven Weber <kd1jv@moose.ncia.net>
- 22) [134345] RE: Favorite low loss coax?
by Tim and Michele Groat <tmgroat@peakpeak.com>
- 23) [134346] FOX: Clean Sweep!
by "Karl F. Larsen" <k5di@zianet.com>
- 24) [134347] FOX: K0EVZ and K4FB open for business
by "Dave WR50" <dendav@dzdn.com>
- 25) [134348] FS: PK-900
by bob evinger <wd9eka@evinger.com>
- 26) [134349] FOX: Go Get Em!!!
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 27) [134350] crystal radio project for kids - kinda long
by n5ib@juno.com
- 28) [134351] Re: Go Get Em!!!
by Jim Francoeur KC1FB <kc1fb@optonline.net>
- 29) [134352] K0EVZ FOX calling CQ FOX [g]
by "wilford lindsey" <dock0evz@earthlink.net>
- 30) [134353] Band Long, But Keep Trying
by "wilford lindsey" <dock0evz@earthlink.net>
- 31) [134354] FOX -- 50/50 + Truffle...
by Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
- 32) [134355] Re: Band Long, But Keep Trying
by Paul Womble <pwomble1@tampabay.rr.com>
- 33) [134356] FOX: Audio Clips...
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 34) [134357] Re: crystal radio project for kids - kinda long
by Steven Weber <kd1jv@moose.ncia.net>
- 35) [134358] K0EVZ FOX 14.055 simplex
by "wilford lindsey" <dock0evz@earthlink.net>
- 36) [134359] Re: crystal radio project for kids - kinda long
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 37) [134360] Band improving K0EVZ FOX
by "wilford lindsey" <dock0evz@earthlink.net>
- 38) [134361] Re: FOX: K0EVZ and K4FB open for business
by Bruce Rattray <rattray@gpfn.sk.ca>
- 39) [134362] FOX: Worked Doc at 250 mW!!
by "Trevor Jacobs" <kg6cyn@earthlink.net>
- 40) [134363] Re: crystal radio project for kids - kinda long
by <n2go@arrl.net>
- 41) [134364] Truffle log - first draft
by Lloyd Lachow <llachow@yahoo.com>
- 42) [134365] Re: crystal radio project for kids - kinda long
by Chris Cartwright <ccart@phideaux.com>
- 43) [134366] signal to noise

by Fran Flynn <fflynn@adelphia.net>
44) [134367] K0EVZ Hunt just ended
by "wilford lindsey" <dock0evz@earthlink.net>
45) [134368] RE: crystal radio project for kids - kinda long
by Karl Kanalz <kkanalz@gcecis.com>
46) [134369] Re: UPDATED: the "Rock-Mite" files
by "Dennis Ponsness" <wb0wao@hotmail.com>
47) [134370] Re: signal to noise
by "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
48) [134371] Re: Band improving K0EVZ FOX
by "George, W5YR" <w5yr@att.net>
49) [134372] Tuna Tin Web Info
by "Steve McDonald" <jsm@gulfislands.com>
50) [134373] Re: crystal radio project for kids - kinda long
by "George, W5YR" <w5yr@att.net>
51) [134374] Re: crystal radio project for kids - kinda long
by "Brad Hernlem" <alihernlem@hotmail.com>
52) [134375] FOX: Audio Clips Updated
by "Trevor Jacobs" <kg6cyn@earthlink.net>
53) [134376] Re: crystal radio project for kids - kinda long
by n5ib@juno.com
54) [134377] Re: crystal radio project for kids - kinda long
by Pete Burbank <plburbank@kih.net>
55) [134378] Re: crystal radio project for kids - kinda long
by "Leon Heller" <leon_heller@hotmail.com>
56) [134379] Re: End fed wire antenna
by W2AGN <w2agn@w2agn.net>
57) [134380] FOX: Thanks for the FUN!
by Ken Wagner <kewagner@ids.net>
58) [134381] Happiness Defined
by "Brian" <brian@iquest.net>
59) [134382] [CONTEST] N2CQ QRP Contest Calendar, Sept 6-30
by "Ken Newman" <n2cq@dandy.net>
60) [134383] Re: crystal radio project for kids - kinda long
by "Mike Yetsko" <myetsko@insydesw.com>
61) [134384] Re: signal to noise
by "Mike Yetsko" <myetsko@insydesw.com>
62) [134385] OT Spam Exposure
by "Karl F. Larsen" <k5di@zianet.com>
63) [134386] Re: End fed wire antenna
by Bill Coleman <aa4lr@arrl.net>
64) [134387] Corrected Truffle log
by Lloyd Lachow <llachow@yahoo.com>
65) [134388] SKEDS reflector hiccup?
by Macstein@aol.com
66) [134389] Re: OT Spam Exposure
by Chris Trask <ctrask@primenet.com>
67) [134390] Re: NEW EPROM QRP+..progress report.

by "Bill Jones" <kd7s@psnw.com>
68) [134391] Re: OT Spam Exposure
by Dave Richards <wr3i@earthlink.net>
69) [134392] Fox- K4FB Log
by Paul Womble <pwomble1@tampabay.rr.com>
70) [134393] Re: Favorite low loss coax?
by Bill Coleman <aa4lr@arrl.net>
71) [134394] Re: [fpqrp] SKEDS reflector hiccup?
by wb0wao@hotmail.com (Dennis Ponsness)
72) [134395] Re: OT Spam Exposure
by "Karl F. Larsen" <k5di@zianet.com>
73) [134396] Re: crystal radio project for kids - kinda long
by Chris Cartwright <ccart@phideaux.com>
74) [134397] Portable wipinfo
by "John Dorson" <jdorson@worldshare.net>
75) [134398] RE: Portable wipinfo
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
76) [134399] Antenna Beam Width Question
by Brian Kassel <bkassel@mato.com>
77) [134400] Re: signal to noise
by William R Colbert <w5xe@juno.com>
78) [134401] re: Portable window antenna pinfo
by <adamvaz@palm.net>
79) [134402] Re: crystal radio project for kids - kinda long
by "Leon Heller" <leon_heller@hotmail.com>
80) [134403] Re: crystal radio project for kids - kinda long
by "Leon Heller" <leon_heller@hotmail.com>
81) [134404] RE: Portable wipinfo
by Bill ROWLETT <kc4atu@yahoo.com>
82) [134405] Re: crystal radio project for kids - kinda long
by W2AGN <w2agn@w2agn.net>
83) [134406] RE: crystal radio project for kids - kinda long
by Nick Kennedy <nkennedy@tcainternet.com>
84) [134407] Another do I need a balun question
by Gary Slagel <gdslagel@yahoo.com>
85) [134408] Re: Antenna Beam Width Question
by "George, W5YR" <w5yr@att.net>
86) [134409] Re: Favorite low loss coax?
by Arthur Moe <kb7ww@easystreet.com>
87) [134410] Re: crystal radio project for kids - kinda long
by Mike <mmorrow@companet.net>
88) [134411] Re: Fox- K4FB Log
by "George, W5YR" <w5yr@att.net>
89) [134412] Re: Fox- K4FB Log
by Paul Womble <pwomble1@tampabay.rr.com>
90) [134413] TenTec 544 Triton Digital xcvr FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
91) [134414] Re: crystal radio project for kids - kinda long

- by "Leon Heller" <leon_heller@hotmail.com>
- 92) [134415] Pacificon Contest: Need 2 more team members
by Steve Smith <sigcom@juno.com>
- 93) [134416] Congrats to Paul K4FB
by Arthur Moe <kb7ww@easystreet.com>
- 94) [134417] new qsl cards for VE5RC+VE5QRP.
by Bruce Rattray <rattray@gpfn.sk.ca>
- 95) [134418] Re: Fox- K4FB Log
by Bruce Rattray <rattray@gpfn.sk.ca>
- 96) [134419] Re: Congrats to Paul K4FB
by Bruce Rattray <rattray@gpfn.sk.ca>
- 97) [134420] Re: crystal radio project for kids - kinda long
by Don <dwittlic@apci.net>
- 98) [134421] Re: crystal radio project for kids - kinda long
by "Bill Jones" <kd7s@psnw.com>
- 99) [134422] Happy Dance
by W2AGN <w2agn@w2agn.net>
- 100) [134423] CQ East Coast III (!!!)
by "Juanjo Pastor" <ec5aca@wanadoo.es>
- 101) [134424] Fox- K4FB Log v 2.0
by Paul Womble <pwomble1@tampabay.rr.com>
- 102) [134425] Re: End fed wire antenna
by Arth Silvers <w6ags@arrl.net>
- 103) [134426] Crystal radio..cool variable capacitor
by "Kevin Philbin" <oz2dkp@hotmail.com>
- 104) [134427] RE: Happy Dance
by "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>
- 105) [134428] Re: End fed wire antenna
by W2AGN <w2agn@w2agn.net>
- 106) [134429] Re: End fed wire antenna
by Arth Silvers <w6ags@arrl.net>
- 107) [134430] Re: End fed wire antenna
by "Karl F. Larsen" <k5di@zianet.com>
- 108) [134431] AR30 / AR40 control unit
by "Carel Mulder" <cmulder@wanadoo.nl>
- 109) [134432] Re: Fox- K4FB Log
by john <john@wagner-usa.net>
- 110) [134433] Re: Fox- K4FB Log
by "Tony Parks" <robert.parks11@gte.net>
- 111) [134434] FS tuner
by IamSF5@aol.com
- 112) [134435] Re: NEW EPROM QRP+..progress report.
by ve3ab@mail.mondenet.com
- 113) [134436] Bill Jones, KD7S
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 114) [134437] Re: Fox- K4FB Log
by "George, W5YR" <w5yr@att.net>
- 115) [134438] QSL cards

by Bruce Rattray <rattray@gpfn.sk.ca>
116) [134439] Homebrew paddle handles - kinda !
by Rick McKee <kc8aon@juno.com>

Date: Thu, 05 Sep 2002 17:39:38 -0500
From: "George, W5YR" <w5yr@att.net>
To: Bill Coleman <aa4lr@arrl.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134324] Re: Cleaning aluminum antenna joints
Message-ID: <3D77DD2A.7E27F0D4@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks, Bill - like Paul Harvey "Now, I know the rest of the story!"

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

Bill Coleman wrote:

>
> On 9/5/02 5:47 PM, George, W5YR at w5yr@att.net wrote:
>
> >Is it not true that (a) aluminum will oxidize almost instantly when exposed
> >to the air, regardless of how fast you slap something on it;
>
> Quite true!
>
> >and (b) that
> >aluminum oxide is a "good" electrical conductor?
>
> False, Aluminum oxide is an insulator.

Date: Thu, 5 Sep 2002 18:48:20 -0300
From: "Alan Slusher" <aslusher@sunbeach.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134325] Looking for a Ten-Tec 405 Amplifier
Message-ID: <001601c25525\$f51a7d20\$bd09cd42@alan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I am looking for a Ten-Tec 405 amplifier in working condition.

Anyone having one for sale please reply off-list.

Cheers,

Alan 8P9BM
(Florida address)

Date: Thu, 5 Sep 2002 18:26:32 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: <w6wy@citlink.net>
Cc: <qrp-l@lehigh.edu>
Subject: [134326] scope problem
Message-ID: <001601c25533\$ab7cefa0\$4e100a0a@rohredt2000>

Not likely the scope tube, but deficient voltage in one of the sweep circuits or its power supply, or main power supply. It is either a repair or calibration issue. More likely repair of an old filter cap in supply. GL and 72,
Stuart K5KVH

Date: Thu, 5 Sep 2002 18:07:36 -0400
From: Bill Coleman <aa4lr@arrl.net>
To: <w2agn@w2agn.net>, "QRP" <qrp-l@lehigh.edu>
Subject: [134327] Re: End fed wire antenna
Message-ID: <20020905220913.CEG01201.imf01bis.bellsouth.net@[192.168.0.23]>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

On 8/7/02 6:05 PM, W2AGN at w2agn@w2agn.net wrote:

>A 44' wire IS NOT, and CAN NOT be an EFFICIENT radiator on 80M.

Hmm. What if the 44 feet of wire was made of a superconductor, and was fed directly with a tuner that produced the correct matching impedance with a low-loss network?

But, no, not for conventional materials.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

Date: Thu, 5 Sep 2002 18:28:43 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Patrick Gardella" <pgardella@yahoo.com>
Cc: <qrp-l@lehigh.edu>
Subject: [134328] Better Coaxes
Message-ID: <001e01c25533\$f92834d0\$4e100a0a@rohredt2000>

Improvement on the LMR coax are the offerings from The Wireman, Press Jones.
<thewireman.com> Great guy to deal with! Order his book on antennas and
feedlines when you order the coax.

72,
Stuart K5KVH

Date: Thu, 5 Sep 2002 17:38:39 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "George, W5YR" <w5yr@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134329] Re: Aluminum and aluminum oxides
Message-ID: <004501c2552c\$fae4b610\$4e100a0a@rohredt2000>

The aluminum oxide is not as good a conductor as aluminum to aluminum, and
is considered a poor conductor in most literature on antennas. However, the
layer must be less than the skin depth, or as George says, it would affect
antenna performance of beams, etc., other than at joints. However, note
that Kraus in Antennas, 2nd Edition, defines antenna radiation as happening
at a discontinuity or change of direction. Certainly a metal oxide junction
would be a discontinuity.

Every advisory I have read says to coat the aluminum right after cleaning,
which is the way I have done it; quickly clean the circumference and length
of the joint, then wipe off the grey residue you raise with the pad, then
coat with the anti-oxidant.

I have seen slip joints that were affected by the aluminum not being protected. This is often seen as a gradual Improvement, in the SWR bandwidth over time. This is from the resistance term of the element rising, raising losses.

Aluminum oxide is the dielectric in aluminum electrolytic capacitors where the film thickness is so thin that it can be reformed in an aged capacitor by applying a gradually increasing DC voltage to the component. This intimates to me, that possibly the oxidation process is much thinner than the iron/steel oxides we are familiar with. Also, when you look at aluminum antennas, the onset of oxides is at first transparent, and only after extreme oxidation such as that in high humidity or water do you see a white powdery residue upon the surface.

The dielectric constant of aluminum oxide is 8.4, where tantalum oxide is 3 times higher. (Air is 1). ("Electrical Engineering Handbook"-IEEE CRC publishers)

Dry oxidation from the same source, for silicon, was shown to start in 6 minutes. No figures given for aluminum, but maybe it too, is not "instantaneous".

One could perform a simple experiment with a Lo ohm measuring setup. Burnish aluminum plate with Scotchbrite pad. Immediately wipe and measure with probes 1 Cm apart, what the resistivity is. Repeat measurements over time, and see when a noticeable increase has started. Use sharp probes, preferably, or rig to maintain a constant pressure to remove that variable.

Somewhere around here is another handbook on wiring and wiring practice, and hopefully it will have more on aluminum characteristics.

72, Stuart K5KVH

Date: Thu, 05 Sep 2002 19:52:15 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134330] Re: End fed wire antenna
Message-ID: <3D77B5EF.12364.B1F5C71@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 5 Sep 2002 at 18:07, Bill Coleman wrote:

On 8/7/02 6:05 PM, W2AGN at w2agn@w2agn.net wrote:

>A 44' wire IS NOT, and CAN NOT be an EFFICIENT radiator on 80M.

Hmm. What if the 44 feet of wire was made of a superconductor, and was fed directly with a tuner that produced the correct matching impedance with a low-loss network?

But, no, not for conventional materials.

Bill Coleman, AA4LR, PP-ASEL Mail: aa4lr@arrl.net
Quote: "Not within a thousand years will man ever fly!"
 -- Wilbur Wright, 1901

I thought this died a month ago. Note the dates above!

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
 _ / _ / _ / _ / _ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Thu, 5 Sep 2002 16:59:32 -0700 (PDT)
From: joe living <jliving2001@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [134331] Re: hawaii
Message-ID: <20020905235932.40642.qmail@web10602.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- John Dorson <jdorson@Worldshare.net> wrote:
> Hi Joe. Well good luck on your new home. I live in a
> restricted area and
> would be interested in knowing more about your
> antenna installation, such as
> size and attachment method.
>
> Thanks.
> John K2JHU...

> ----- Original Message -----
> From: "joe living" <jliving2001@yahoo.com>
> To: "Low Power Amateur Radio Discussion"
> <qrp-l@Lehigh.EDU>
> Sent: Thursday, September 05, 2002 3:29 AM
> Subject: hawaii
>
>
> > Dear QRP'ers
> >
> > I just moved from New Orleans to Wailuku on
> the
> > island of Maui. I just put up a loop hidden under
> the
> > eve of my roof and it seems to work well on 20
> meters
> > and above. I've just been here a few weeks so I
> > have'nt gotten used to the propagation yet.
> > The solstice is coming up so propagation
> should
> > improve. I run 5 watts exclusively and have been
> an
> > avid qrp'er for years. If anyone would like to set
> up
> > a sked, let me know!
> >
> >
> > Aloha
> >
> > Joe W3GW/KH6
> > QRP ARCI 5440
> >
> > -----
> > Do You Yahoo!?
> > Yahoo! Finance - Get real-time stock quotes
> > <http://finance.yahoo.com>
>
>
> Thanks.
> John K2JHU...

Dear John

My house is two stories which helps. Basically I run a loop of wire around the eve of the roof. I hide the wire behind the eve so it can't be seen from the street. I break the loop just above the window of the shack and run small gauge wire to the window sill. I

than use twin-lead soldered to wire to get the antenna into the shack. The twin-lead takes the trauma of opening and shutting the window better than the small gauge wire and can be replaced if it gets chewed up. Twin-lead isn't good for long runs because of losses, but for a few feet is ok.

I try to make the loop as big as I can but obviously the size will be dictated by the size of the house. The loop should be one wave length at the lowest frequency used and can be fed on all bands with a transmatch. I usually skip the balun in the transmatch.

Don't let anyone tell you that the horizontal loop is only a cloud warmer. On those bands where it's multiple wavelengths long its the most effective wire DX antenna there is.

If the neighbors ask you what you are doing while you are stapling the wire under the eave just mumble something about homeland security or christmas and that will usually shut them up. Also use stainless steel staples. They last longer and won't rust.

Aloha

Joe W3GW/KH6

Do You Yahoo!?

Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Thu, 5 Sep 2002 17:03:08 -0700 (PDT)
From: joe living <jliving2001@yahoo.com>
To: qrp-1@lehigh.edu
Subject: [134332] Re: hawaii
Message-ID: <20020906000308.10218.qmail@web10607.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- k8cv <k8cv@netzero.net> wrote:
> HI Joe:
>
> I visited the islands about 10 years back and
> brought a 100 watt rig with
> me. Rented a condo and got the 3 rd floor up (

> highest in building) which
> had a lanai and when I asked about putting up an
> antenna (stupid move)
> they said absolutely NOTHING outside of my condo or
> lanai. So me and my
> string went to work and made a big vertical loop of
> the dipole after cutting
> off the center insulator and using 300 ohm TV lead
> to feed it and the MFJ
> 100 watt tuner I brought along with the old ICOM
> 751A and proceeded to
> contest with it. Nothing much happened until EUROPE
> went dead for the state
> side guys and they got DESPERATE and turned there
> beams WEST and then I had
> about 4 hours of great fun. Did work a lot of JA and
> other exotic to me
> stuff in the PACIFIC and lots of MATES in Australia
> :-) Things can be fun
> from there but you just have to adjust your
> thinking. Have fun.

>
> Walt Amos K8CV Royal Oak, MI.

>
>
> ----- Original Message -----
> From: "joe living" <jliving2001@yahoo.com>
> To: "Low Power Amateur Radio Discussion"
> <qrp-l@Lehigh.EDU>
> Sent: Thursday, September 05, 2002 08:29
> Subject: hawaii

>
>
> > Dear QRP'ers
> >
> > I just moved from New Orleans to Wailuku on
> > the
> > island of Maui. I just put up a loop hidden under
> > the
> > eve of my roof and it seems to work well on 20
> > meters
> > and above. I've just been here a few weeks so I
> > have'nt gotten used to the propagation yet.
> > The solstice is coming up so propagation
> > should
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> > an
> > avid qrp'er for years. If anyone would like to set

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> > a sked, let me know!
> >
> >
> >
> > Aloha
> >
> > Joe W3GW/KH6
> > QRP ARCI 5440
> >
> > -----
> > Do You Yahoo!?
> > Yahoo! Finance - Get real-time stock quotes
> > <http://finance.yahoo.com>
> >
>
>
> -----
> Introducing NetZero Long Distance
> Unlimited Long Distance only \$29.95/ month!
> Sign Up Today! www.netzerolongdistance.com

Dear Walt

" 'tis always better to beg forgiveness than to
ask permission"

Aloha

Joe W3GW/KH6

Do You Yahoo!?
Yahoo! Finance - Get real-time stock quotes
<http://finance.yahoo.com>

Date: Thu, 05 Sep 2002 20:14:04 -0400
From: john <john@wagner-usa.net>
To: ki6ds@dph.dpol.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134333] Re: Manhattan Style Kits Coming
Message-ID: <3D77F34C.1010302@wagner-usa.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Having built an SW30+ manhattan style during K7Q0's Manhattan 101 course, I can attest to the fact that this design is a great one to build up manhattan style. Also, having gone through the parts gathering process for the SW30+, I can attest to the fact that \$34 for the receiver only is a great price considering the aggravation of gathering all those parts.

Thanks Doug for letting the cat out of the bag, thanks to Dave for letting someone else kit his design and a double thanks to the Fort Smith QRP club for handling the kits. I'll be ordering one of these for sure.

73,

John, N1Q0

Doug Hendricks wrote:

> Guys, I guess I'll let the cat out of the bag. The Fort Smith QRP Club will
> be offering a Manhattan Style receiver very soon. And, it is not just any
> receiver. It is the receiver that is in the SWL40+, designed by Dave
> Benson. Dave has very graciously given permission for the Ft. Smith QRP
> Doug, KI6DS

>
>
>

--

John Wagner - john@wagner-usa.net
Web page: <http://www.neknetwork.com>

Date: Thu, 5 Sep 2002 19:19:40 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134334] RE: Home Power magazine
Message-ID: <01C25511.2F1670C0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Oh yeah? Pretty nice, but check out my power supply. Works day and night and I don't have to pedal.

<http://www.entergy-nuclear.com/south/ano.asp>

72--Nick, WA5BDU

Date: Thu, 05 Sep 2002 19:21:20 -0500
From: <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [134335] FOR SALE
Message-ID: <20020906002120.23431.qmail@uadv137.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Kenwood 440S, with 500 Hz CW Filter (Original double box). Used for a number
of years at 1 watt, ssb, cw, psk.

Pyramid 35 amp metered power supply (used to run the entire station)

\$550.00 as a pair, picked up in the Greater Houston area. =

mike
wb5yjx

Date: Thu, 05 Sep 2002 19:21:40 -0500
From: <mgoins@usa.net>
To: <qrp-1@lehigh.edu>
Subject: [134336] FOR SALE
Message-ID: <20020906002140.7027.qmail@uwdvg002.cms.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable

Kenwood 440S, with 500 Hz CW Filter (Original double box). Used for a number
of years at 1 watt, ssb, cw, psk.

Pyramid 35 amp metered power supply (used to run the entire station)

\$550.00 as a pair, picked up in the Greater Houston area. =

Please reply off list. Thanks.

mike
wb5yjx

Date: Thu, 5 Sep 2002 19:27:41 -0500
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'brian@iquest.net'" <brian@iquest.net>,
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134337] RE: Don't you need a balun?
Message-ID: <01C25512.4DD6F2E0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I don't think just making a transition from a coaxial type connector to a twinlead type would make you need a balun. (I mean, you might "need " one in either case, independent of the type of line.) A balun is good practice, but not absolutely essential. However, usually antennas made with twin lead aren't designed to provide a match to your 50 ohm design rig, so you might expect to need a tuner.

For those who didn't feel like clicking the link, the item offered is an adapter with a BNC plug on one end and binding posts/banana jacks on the other end.

72--Nick, WA5BDU

-----Original Message-----
From: brian@iquest.net [SMTP:brian@iquest.net]
Sent: Thursday, September 05, 2002 9:21 AM
To: Low Power Amateur Radio Discussion
Subject: Don't you need a balun?

I saw this on eBay. Neat looking but wouldn't you need a balun in there someplace?

This is a BNC connector to 5 way post connector adapter thingie.

<http://cgi.ebay.com/ws/eBayISAPI.dll?ViewItem&item=1377726411>

73 de KB9BVN

Let me who has recient experiance tell you that a 44 foot dipole just off the roof of my home fed with 30 feet of 300 ohm ribbon was easy to match and worked quite well on 75 meters. I thought it was an end fed zepp but testing showed it is a Marconi inverted L and it does work well!

```
> On 8/7/02 6:05 PM, W2AGN at w2agn@w2agn.net wrote:
>
> >A 44' wire IS NOT, and CAN NOT be an EFFICIENT radiator on 80M.
>
> Hmm. What if the 44 feet of wire was made of a superconductor, and was
> fed directly with a tuner that produced the correct matching impedance
> with a low-loss network?
>
> But, no, not for conventional materials.
>
>
>
> Bill Coleman, AA4LR, PP-ASEL          Mail: aa4lr@arrl.net
> Quote: "Not within a thousand years will man ever fly!"
>      -- Wilbur Wright, 1901
>
>
```

```

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```

Date: Thu, 5 Sep 2002 20:44:35 +0000

From: ve3ab@mail.mondenet.com
To: qrp-1@lehigh.edu
Subject: [134339] NEW EPROM QRP+..progress report.
Message-ID: <200209060047.g8601SI28506@mail.mondenet.com>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

Hello All. I think Ive now emailed everyone who asked me for a new eprom for the QRP+. If I missed anyone..just email me back and Ill send you the info on how to get one.
Right now..the main thing that will cause delays is logistics.
The store(a big chip supplier) had no more stock of the 27c64A-200 (200 nanosecond access chips. When I asked the fellow..he said they were discontinued..so I had to use the 27c64A-150 chips. There should be no difference in performance..It only is a slightly faster chip. Anyways..I bought all six of them. Good Price though..they were on sale for less than \$5.00(US\$).
I have a bunch of used chips ..i can draw on if need be (tested and good)..but ill try and get some new chips from someone else in town. I even got an email from Spain!- Ill have to give him a special quote on shipping ..but I can send them there too (might be more costly).
As for Shipping to USA..I have a small green customs tag to fill out and Ill be sending them Parcel Post..by air..and the price is about \$4.00 US\$ to ship. Ill be using padded envelopes with ESD protective measures and cardboard liner to minimize any crushing damage.
Programming the chips is actually the easy part. It only takes about 15 mins to set up the machine and about 30 seconds to burn each chip! I'll be including an instruction sheet with each chip and a piece of ESD foam for Safe storage of the original chip out of each QRP+.
Im real interested to see how this all turns out..hopefully each modification will be a good sucess!..73 Earl VE3AB
Oh yes..I think I sent out 15 emails..so looks like 15 so far..

Date: Thu, 05 Sep 2002 21:25:29 -0400
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-1@lehigh.edu
Subject: [134340] Re: Cleaning aluminum antenna joints
Message-ID: <5.1.0.14.1.20020905211345.00b2bb50@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

George,

Bare aluminum does oxidize quickly, but the very thin oxide layer that forms protects the rest of the aluminum from further oxidation.

Aluminum oxide is actually an insulator, and is used as a polishing compound (white alumina) and in ceramics. So the "skin" in "skin effect" is actually the layer of metallic aluminum just below the oxide.

In most cases the oxide layer is considered a "good thing" because it protects the rest of the metal from the environment. It does, however, play hell with conductivity if it gets between metals that are supposed to be in electrical contact.

My niece and her husband lost their mobile home to a fire caused by a high-resistance connection in the breaker panel. The home was built with aluminum wiring, and oxide formed on one of the wires inside a connector in the panel. It eventually heated up under load and started the fire.

Dave

At 04:47 PM 9/5/2002 -0500, you wrote:

>Question about "aluminum oxide" if I may:

>

> >From reading this thread, I get the idea that one should attempt to remove
>any oxide present and try to keep it off with something of some kind.

>

>Is it not true that (a) aluminum will oxidize almost instantly when exposed
>to the air, regardless of how fast you slap something on it; and (b) that
>aluminum oxide is a "good" electrical conductor?

>

>Our aluminum beams, etc. seem to radiate very well even when heavily
>oxidized, and that layer of oxide is right in there in the skin effect
>layer.

>

>So, straighten me out! Is aluminum oxide all that bad? Or is the problem
>something else related to the presence of the oxide?

>

>73/72, George

>Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

>Amateur Radio W5YR - the Yellow Rose of Texas

>In the 57th year and it just keeps getting better!

>

>

>Stuart Rohre wrote:

> >

> > Bill, I agree that it would seem the Butter Its Not, if copper alone,
> > would seem to create a problem. In reality, although it is copper
> color, it

> > has not; and is in fact, made for use with Butternut aluminum beams and
> > verticals.

"You can fool some of the people all of the time. That's enough to make a living." - Lance Burton

Dave Hinerman
WD8CIV@att.net

Date: Thu, 5 Sep 2002 19:47:32 -0500
From: "Brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@lehigh.edu>, "Pigs" <fpqrp-l@mpna.com>
Subject: [134341] Surplus Parts for September
Message-ID: <002d01c2553e\$fd4c8920\$096a2bd1@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry about being late with this....

Junkbox Surplus Parts for Sale as of 09/05/2002

=====

Odd Items

=====

9.8304 Mhz Crystals, 1/4 in tall - 20 for \$5.00
27mH inductors with radial leads - 25 for \$3.50

Caps - All new, old stock. No pulls.

=====

 All caps now 50/\$3 or 100/\$5

=====

8pf NPO Ceramic - Loose
11pf NPO Ceramic - Loose
12pf NPO ceramics on tape
22pf Kemet Ceramic Caps, 200v, 10%
100pf Axial Mono Caps, 100v, 10%
150pf ceramics, 100v, 10%
470pf Ceramics on paper tape, rated 5% (NPO)
560pf Kemet Ceramic Caps, 200v, 10%
1000pf blue mono caps, 10% 100v
3300pf Kemet Ceramic Caps, 100v, 10%
.01 uF ceramic caps, 10% 100v brand new by Kyocera
and
.01 uF ceramic caps, 20% 50v, new old stock, not used
50/2.50 100/\$4

Voltage Regulators

=====

L7805ACV voltage regulators T0220 case. 7/\$4 or 15/\$7

LM7812 voltage regulators. T0220 case. 5/\$4

LM317T Adjust. Positive Voltage Regulator T0220. 6/\$5.00 or 12/\$8.50

LM78L62ACZ Volt(6.2)regulators, T092 format 5/\$3.00 10/\$5.00

Transistors - New Parts - No Pulls

=====

TP2222 plastic T092 NPN (House brand 2N2222) 50/\$4 100/\$7

2N3906's plastic T092. PNP - 50/\$4 100/\$7

2N3904's plastic T092. NPN - 50/\$4 100/\$7

2N3704's plastic T092, NPN - 50/\$4 100/\$7

MRF517 - Motorola Part - Metal Can - 5 for \$5

Op AMPS, Comparators

=====

LM386N-1 - Audio Amps 5 for \$2.25

LM741CN - Single Op Amp, 8 Pin Dip, 6 for \$2.00

<http://www.hep.ph.ic.ac.uk/~hallg/Instrumentation/Data/LM741.pdf>

BA10324 - LM324 equiv Quad Ground Sense Op Amp 14 pin, 4 for \$2.00

<http://www.flint.co.uk/product/pdfs/FR3LIN.PDF>

Diodes

=====

1N4148 - You always need these. 100 for \$2.50 These are NEW.

Let me know if you're interested. All prices are post paid to the USA, unless otherwise noted. I will ship to non USA addresses but we need to discuss the shipping charges first.

=====

KB9BVN/QRP - New Whiteland IN - EM69WN

QRP-ARCI #10223 QRP-L #1540 FIST #5695

FISTS CC #764 - Proud Member ARRL

HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W

INTO INFAMOUS AF4PS ATTIC DIPOLE

SOC #400 AND FLYING PIGS QRP #-57

=====

Date: Thu, 5 Sep 2002 18:07:19 -0700
From: "Doug Hauff" <dhauff@digitalputty.com>
To: <qrp-1@lehigh.edu>
Subject: [134342] Mitybox status/pics
Message-ID: <018e01c25541\$d6d95e00\$68393442@fix.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

'Boxes are machined, setting up the covers now...deburr, tap, & off to the anodizer tomorrow....

Pics of Mitybox came thru but Web Dude Jerry Parker is working O/T at the firehouse, he'll get 'em my page soon as he gets a chance...

72, Doug KE6RIE

Date: Thu, 05 Sep 2002 20:33:27 -0400
From: Dave Richards <wr3i@earthlink.net>
To: k5di@zianet.com,
 "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134343] Re: Web site for Smith Charts for Dummies
Message-ID: <5.1.1.6.2.20020905203251.009f6cb0@earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

No I didn't
Dave
WR3I

At 01:12 PM 9/5/2002 -0600, Karl F. Larsen wrote:

>Hello, You wrote looking for the paper called Smith Chart for Dummies and I
>have it and am in the process of working the first math parts with Jeff the
>instructor. I am having a problem getting to the end results on page 2. I
>know it's right because the results are right...:-)
>
>Had to go out and get a compass to draw a SWR circle. Office Max has a Helix
>model that is very nice, and about the right size for a 8 1/2 by 11 chart.
>
>Please go to this web site and d/l the tutorial without the smith chart:
>
> <http://abacus.nmsu.edu/~shoran/radio.htm>

>
>If you don't already have a good pdf of a smith chart then d/l also the
>smith chart from this web page.

>
>--
>72, Karl K5DI

>
> _ _ _ _ _ _ _ _ _ _
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Date: Thu, 05 Sep 2002 22:19:16 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [134344] Vacation time!
Message-ID: <3.0.6.32.20020905221916.007ba290@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'm heading down to 4 land tomorrow, to help a friend move to GA. Then we'll be winging it right back north and spend 3 or more weeks hiking the Long Trail in Vermont. Won't be back in touch until Columbus day, at the earliest. Will have a rig with me durring the Long Trail hike though. Maybe catch ya on the air then. Try to keep out of trouble while I'm gone :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 05 Sep 2002 20:12:07
From: Tim and Michele Groat <tmgroat@peakpeak.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [134345] RE: Favorite low loss coax?
Message-ID: <3.0.3.16.20020905201207.51d78146@peakpeak.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

9913, LMR400, and their clones are the best you'll find in 50 ohms with that diameter.
Coax loss is determined mainly by the conductor diameters. These types use

as large a
an inner conductor as possible, by having mostly air dielectric (a skinny
spiral or
foam). So to get a larger conductor for lower loss, the cable outer
diameter must grow.

9913 is notorious for water penetration, though. Even here in semi-arid
Colorado, I've
had runs go bad from water collecting at the low spots. When using 9913,
always put the
connectors at the bottom of a drip loop, and seal thoroughly. You probably
should do the
same for any cable, it's just that water will move through 9913's open core
faster than
it will soak through foam or solid polyethylene.

72/73,
Tim (KR0U)

Patrick Gardella <pgardella@yahoo.com>:

> I'm running new antenna cabling to minimize line losses (40-10, no
VHF/UHF). Belden 9913 and
> LMR-400 (0.8 and 0.7 dB/100ft@30MHz respectively) both look pretty good
and I can find them for
> around \$.59/ft.
>
> Are there better low loss coax cables (no larger than an RG-213 size)?
That don't cost a fortune,
> of course!

Date: Thu, 5 Sep 2002 20:22:24 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [134346] FOX: Clean Sweep!
Message-ID: <Pine.LNX.4.44.0209052015500.4854-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What a nice way to end the summer Fox Hunts. The Truffel and
both Fox were a long way away and my beam helped make them close. Using
an old HiGain TH6DXX 6 element beam up 60 feet.

Outgoing mail is certified Virus Free.

Checked by AVG anti-virus system (<http://www.grisoft.com>).

Version: 6.0.385 / Virus Database: 217 - Release Date: 9/4/02

Date: Thu, 05 Sep 2002 21:30:45 -0500

From: bob evinger <wd9eka@evinger.com>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [134348] FS: PK-900

Message-ID: <3D781355.3030600@evinger.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

I have a PK-900 that is mostly sitting here unused and I need the desk space. I bought it at dayton in the early 90's. It has version 7.0 eprom, ac power cube but I only currently have one tnc to radio cable. It uses standard TNC-2 cabling to the radios. All-mode full dual port TNC. I just dont use it anymore. I either run psk or use pc software emulators for the digital modes.

\$140.00 US only, I dont have a clue what is involved in shipping something out of country and am almost afraid to find out.

If I get rid of the pk900 maybe I can actually make room for a fulltime position for my warbler and psk-20.

--

Bob Evinger WD9EKA/AAR5MG(Army MARS operator) and EMT-B

If Guns Cause Crime, Then Matches Cause Arson.

Date: Thu, 5 Sep 2002 19:34:26 -0700

From: "Trevor Jacobs" <kg6cyn@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [134349] FOX: Go Get Em!!!

Message-ID: <006701c2554d\$eb8e140\$d31ff4d8@tjacobs>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Doc is n 14.055 and Paul is on 14.061 they're wide open and loud into CA!!!

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

Date: Thu, 05 Sep 2002 22:34:36 EDT

From: n5ib@juno.com

To: qrp-1@lehigh.edu

Subject: [134350] crystal radio project for kids - kinda long

Message-ID: <20020905.213202.4631.6.n5ib@juno.com>

A young (college age) ham (KC5WYX - Alex) I'm working with is going to conduct a Saturday morning "Build a Crystal Radio" session at our public observatory in a few weeks. We're getting ceramic earphones from Mouser, 1N34A diodes and polyfilm variable caps from Ocean State, and the kids will learn about inductors by winding the coils using large pill bottles for coil forms. (100 turns of #24 on a 60 dram pill bottle makes about 300 uH, which resonates with a 280 pF capacitor at about 550 kHz)

But both Alex and I have been playing around with making our own capacitors using aluminum foil glued to cardboard as the plates and waxed paper as dielectric. The kids would learn more about what a capacitor really is, and it would be neat to make a radio without the "store-bought" cap. We actually made a crystal set that could be tuned by squeezing the cap between the fingers to vary its capacitance. But I've run out of inspiration trying to think up a mechanical arrangement that would produce a decently reproducible variable cap that can be made by kids -- Hey, I was an EE, not an ME :^))

The salient parameters are these: Waxed paper (CutRite) is about 1 mil thick (0.054 mm) Estimating the dielectric constant at about 3 yields a capacitance of roughly 100 pF per square cm of plate area (675 pF per square inch). The ones I've made come pretty close to these numbers. So what say gang, how can we make a kid-built, primitive, variable cap out of this stuff. The rules of the game are

A) has to use only very commonly available cheap stuff, like aluminum foil, glue sticks, hot,glue, waxed paper, Saran, copper wire, paper clips, cardboard, poster board, etc. Craft store stuff like foam-core board and those wooden disks and such are OK too.

B) no exotic schemes for electrical connection to the foil are allowed. has to be doable by 10 year olds. so no soldering, conductive copper foil or elastomers, etc., just twisting, taping, squeezing, etc. I used some of that conductive copper foil for mine, but that's cheating for the kid version.

C) max capacitance of about 300 to 400 pF needed, minumum should be around 50 pF or below.

D) need some mechanical arrangement such that sliding or turning or squeezing or twisting or some such will vary the capacitance and it will "stay put" reasonbaly well.

Put those thinking caps on - I'll collect ideas and post the collective wisdom to the list later.

72

Jim N5IB

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<http://dl.www.juno.com/get/web/>.

Date: Thu, 05 Sep 2002 22:41:44 -0400

From: Jim Francoeur KC1FB <kc1fb@optonline.net>

To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>

Subject: [134351] Re: Go Get Em!!!

Message-ID: <017101c2554e\$f05cf870\$6401a8c0@esync.pvt>

MIME-version: 1.0

Content-type: text/plain; charset=iso-8859-1

Content-transfer-encoding: 7BIT

Doc is strong into CT, but not a whisper from Paul.

Jim KC1FB

Norwalk, CT

----- Original Message -----

From: "Trevor Jacobs" <kg6cyn@earthlink.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Sent: Thursday, September 05, 2002 10:34 PM

Subject: FOX: Go Get Em!!!

Doc is n 14.055 and Paul is on 14.061 they're wide open and loud into CA!!!

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

Date: Thu, 5 Sep 2002 21:59:56 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Cc: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
Subject: [134352] K0EVZ FOX calling CQ FOX [g]
Message-ID: <41200295625956400@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Band condx getting worse. Lots of QRN and QSB. But hang in there and I will dig you out if at all possible. Calling on 14.055 and listening up 0-1. Thanks.

73,

--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Thu, 5 Sep 2002 22:4:6 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Cc: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
Subject: [134353] Band Long, But Keep Trying

Message-ID: <412002956346430@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Also, the band is very long, as I just worked Jim AL7FS. He was a solid 569 here at 0300. Still lots of time, so let's keep digging in there.
Thanks.

73,
--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Thu, 5 Sep 2002 22:04:54 -0500
From: Todd Enders <enders@bolshoi.cc.misu.nodak.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134354] FOX -- 50/50 + Truffle...
Message-ID: <200209060304.AA00345@bolshoi.cc.misu.nodak.edu>
Content-Type: text/plain
Mime-Version: 1.0 (NeXT Mail 4.2mach_patches v148.2)

Got Paul OK with 400 mW. That makes two mW pelts this season. Not bad considering the propagation we've had this summer. Doc is just too close -- out of groundwave range, and inside ionospheric propagation range. Heard him for a bit early, at ESP levels, and with a pretty large pack calling, so no chance. Looks like I'll end up just under 50% for the season. Oh well, the winter hunts will be along in due course, and I'll have a chance to do better! :-)

72/73,

Todd, AG0T

Date: Thu, 05 Sep 2002 23:14:39 -0400

From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [134355] Re: Band Long, But Keep Trying
Message-ID: <3D781D9F.81E189E@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ditto!!

Paul K4FB/FOX

wilford lindsey wrote:

> Gang:
>
> Also, the band is very long, as I just worked Jim AL7FS. He was a solid
> 569 here at 0300. Still lots of time, so let's keep digging in there.
> Thanks.
>

Date: Thu, 5 Sep 2002 20:10:37 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134356] FOX: Audio Clips...
Message-ID: <008701c25552\$f99891c0\$d31ff4d8@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Just recorded Doc and Paul, so will be updating the web site tonight,
also have a clip from last weeks hunt, so check it later tonight or
tomorrow. Take care and thanks to both FOXII for a fun ending to this
years 20 Meter hunt! BTW you still have lots of time to get em. Get in
there and pounce on a FOX!

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Thu, 05 Sep 2002 23:19:19 -0400
From: Steven Weber <kd1jv@moose.ncia.net>
To: n5ib@juno.com
Cc: qrp-l@lehigh.edu
Subject: [134357] Re: crystal radio project for kids - kinda long
Message-ID: <3.0.6.32.20020905231919.007bab50@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>"store-bought" cap. We actually made a crystal set that could be tuned by
>squeezing the cap between the fingers to vary its capacitance. But I've

Why vary the cap? Easier to put a slider on the coil and tune it that way.
Okay, maybe not quite as easy, but that's commonly how they did it in "the
old days" :-)

72,
Steve, KD1JV
"Melt Solder"
White Mountains of New Hampshire
<http://www.qsl.net/kd1jv/>

Date: Thu, 5 Sep 2002 22:21:31 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Cc: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
Subject: [134358] K0EVZ FOX 14.055 simplex
Message-ID: <4120029563213150@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Still working 'em, but not very many callers. Anybody else? Thanks.

73,
--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Thu, 5 Sep 2002 20:20:47 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: <kd1jv@moose.ncia.net>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134359] Re: crystal radio project for kids - kinda long
Message-ID: <000b01c25554\$656ab120\$b4bdb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That's how I made mine at like age 10...a slider on the coil made out of
a piece of tin...worked great! Does that make me an old timer ;-)

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, September 05, 2002 8:19 PM
Subject: Re: crystal radio project for kids - kinda long

> >"store-bought" cap. We actually made a crystal set that could be
tuned by
> >squeezing the cap between the fingers to vary its capacitance. But
I've
>
> Why vary the cap? Easier to put a slider on the coil and tune it that
way.
> Okay, maybe not quite as easy, but that's commonly how they did it in
"the
> old days" :-)
>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>

Date: Thu, 5 Sep 2002 22:29:16 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Cc: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
Subject: [134360] Band improving K0EVZ FOX
Message-ID: <41200295632916490@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Have worked several in recent minutes: K4FB, WA2DGD, KI0II, KG6CYN, KJ0C and AA7EQ. So signals are coming in from all over. In fact, these have been exceptionally strong. Keep trying. Thanks.

73,
--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Thu, 5 Sep 2002 21:26:35 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: Dave WR50 <dendav@dzn.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134361] Re: FOX: K0EVZ and K4FB open for business
Message-ID: <Pine.LNX.4.33.0209052125450.28928-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Tell Doc to call me on the landline Dave as that's the only way I'll work him tonight...hihihi....not a peep but still listening...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -

"QRP! How sweet it is!"

"I am da man wit "DAH" paddle!"

Date: Thu, 5 Sep 2002 20:29:01 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134362] FOX: Worked Doc at 250 mW!!
Message-ID: <001b01c25555\$8bcc5340\$b4bdb2d1@tjacobs>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

That was cool!!! Doc and I must have a pipeline connection tonight.
Thought I'd try and lower the output of the FT-817 all the way and see
how we did. Doc heard me at 250 mW!! That's fun!!! Get in there and get
a FOX! Bands in great shape...might be some DX later...

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

Date: Thu, 5 Sep 2002 23:35:24 -0400 (EDT)
From: <n2go@arrl.net>
To: Trevor Jacobs <kg6cyn@earthlink.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134363] Re: crystal radio project for kids - kinda long
Message-ID: <Pine.LNX.4.33.0209052332370.313-100000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

And the coil was wound on a cardboard tube from a toilet paper roll
A small hole was punctured through the cardboard at both ends to pass the
wire through and anchor the wire. Shellac is optional. From the 1950 or 60
boy scout book....

Jim n2go

Date: Thu, 5 Sep 2002 20:47:45 -0700 (PDT)
From: Lloyd Lachow <llachow@yahoo.com>
To: QRP-1 <qrp-1@lehigh.edu>, "Li'l Piggies" <fpqrp-1@mpna.com>
Subject: [134364] Truffle log - first draft
Message-ID: <20020906034745.18423.qmail@web10004.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Well, that was kinda fun! At least for the first 20 minutes or so. Then - nothing. Here's what I got, even including the ones NOT from The Republic of Texas:

KB7WW	559	OR	Art	5W
K0EVZ	569	ND	Doc	5W
N1TP	559	FL	Tom	5W
K5JSP	559	TX	Bill	5W (?non-listed call)
W5YR	559	TX	George	5W
W5TB	559	TX	Doc	5W
NN5E	559	TX	Vern	5W
N5ZE	439	TX	Lew	5W
K5SR	559	TX	Dale	5W
W5USJ	559	TX	Chuck	5W
AA50	599	LA	Vern	5W
VA6RF	559	AB	Earl	5W
AG0T	559	ND	Todd	4W
K5TR	579	TX	Geo	5W
K7IE	559	OR	Clair	5W
KQ5U	559	TX	Terry	5W
KD5CMN	559	TX	Mike	5W
K5DI	559	NM	Karl	5W
AC5JH	559	OK	Tom	5W

My paddles blew up midway and started to send messages of their own, so I had to switch over to the Paddlettes for the second half. Thanks to all for their patience, and a great time.

As for the foxii, Doc, as usual, was loud and clear for the first hour, almost, but not the least hint of Paul, or anyone working him, here in MD.

00 and 72!

=====

73, Lloyd, K3ESE
K1 # 00379 - ARRL
ARS #1301 - FISTS #8774
FPqrp #476 - QRParci #11147
QRP-L #2415 - SOC #530
HGT #6'1 - Wgt #190 - BT #B-

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Date: Thu, 5 Sep 2002 23:49:06 -0400 (EDT)
From: Chris Cartwright <ccart@phideaux.com>
To: <n5ib@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134365] Re: crystal radio project for kids - kinda long
Message-ID: <Pine.LNX.4.33.0209052333190.10842-100000@dns.phideaux.com.>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 5 Sep 2002 n5ib@juno.com wrote:

> A) has to use only very commonly available cheap stuff, like aluminum
> foil, glue sticks, hot,glue, waxed paper, Saran, copper wire, paper
> clips, cardboard, poster board, etc. Craft store stuff like foam-core
> board and those wooden disks and such are OK too.

Since I can't hear K4FB, I have time to work on this :(

Just built a 30pF variable in 5 minutes with tape, a toilet paper tube, and some aluminum foil. The tube is about 5" long, cut it in half into two 2.5 inch tubes, then slit one of them lenthwise. I curled the slit one so it would just fit inside the other, removed it, and taped it so it wouldn't uncurl. Then I cut a 2" wide strip of foil and wrapped it around each tube so that it had a 1/4" gap on each end of the tube, and a gap where the two ends of the foil would meet. More tape across the ends of the foil (so it covered each end of the foil and stuck to the tube in between). Then I slid one inside the other.

I "cheated" and connected to it with alligator clips, hung it on the AADE LC/II and got a *very* stable 1 to 32pF's out of it. Currently it's about halfway overlapped, and the meter is toggling between 15.62 and 16.63 as my typing vibrates the table. Don't have any bigger tubes to test with,

but a paper towel tube, or mailing tube, might get you where you want to be. Hmmm.... wonder if the XYL would get upset if I unrolled all those new paper towels? :) BTW, it took 4 time longer to type this than build the cap. Good luck, es 72

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --
-- N3XRV      ARRL-VE   Norcal Zombie #163 |   Oxford, PA 19363 FM29as   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Thu, 05 Sep 2002 23:51:23 -0400
From: Fran Flynn <fflynn@adelphia.net>
To: qrp-l@lehigh.edu
Subject: [134366] signal to noise
Message-ID: <3D78263B.9060600@adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

The signal to noise ratio on this list has taken a turn toward noise.
Can we think before we post
please? Didn't Radioshack (the thread) get run into the ground once
already? Maybe we
should go clean out our earwax first before posting, that should give us
a chance to think a
little.

Date: Thu, 5 Sep 2002 23:8:20 -0500
From: "wilford lindsey" <dock0evz@earthlink.net>
To: "QRP-L Reflector" <qrp-l@lehigh.edu>
Cc: "Doc Lindsey K0EVZ" <dock0evz@earthlink.net>
Subject: [134367] K0EVZ Hunt just ended
Message-ID: <4120029564819940@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Gang:

Well the FOX hunt just ended, and man oh man was it ever a nail-biter [g].

Looks like the total will be 65 including Paul and myself, so it was a tough evening. 47 of them came in the first hour, after which the band really changed. Had time to get on the reflector [g]. Even had time to find and work Paul K4FB.

Thanks to all who called, and hopefully I got everyone. Will publish the log ASAP, but will take a couple of days.

Setup = K1 at 5 watts to [nearly always] the IAC Double Bazooka up 48' in centre.

73,
--Doc/K0EVZ

--- wilford lindsey
--- dock0evz@earthlink.net
--- EarthLink: The #1 provider of the Real Internet.

Date: Thu, 5 Sep 2002 23:15:30 -0500
From: Karl Kanalz <kkanalz@gceecisp.com>
To: "'kg6cyn@earthlink.net'" <kg6cyn@earthlink.net>,
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134368] RE: crystal radio project for kids - kinda long
Message-ID: <01C25532.27780CE0@KKANALZ>

Not if you're 14 years old now, Trevor! (grin)

Karl K - W8TIF
McKinney, Texas

-----Original Message-----
From: Trevor Jacobs [SMTP:kg6cyn@earthlink.net]
Sent: Thursday, September 05, 2002 10:21 PM
To: Low Power Amateur Radio Discussion
Subject: Re: crystal radio project for kids - kinda long

That's how I made mine at like age 10...a slider on the coil made out of a piece of tin...worked great! Does that make me an old timer ;-)

73's Trev KG6CYN
<http://home.earthlink.net/~kg6cyn>
<http://www.qsl.net/kg6cyn>

----- Original Message -----

From: Steven Weber <kd1jv@moose.ncia.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Thursday, September 05, 2002 8:19 PM
Subject: Re: crystal radio project for kids - kinda long

> >"store-bought" cap. We actually made a crystal set that could be
tuned by
> >squeezing the cap between the fingers to vary its capacitance. But
I've
>
> Why vary the cap? Easier to put a slider on the coil and tune it that
way.
> Okay, maybe not quite as easy, but that's commonly how they did it in
"the
> old days" :-)
>
>
> 72,
> Steve, KD1JV
> "Melt Solder"
> White Mountains of New Hampshire
> <http://www.qsl.net/kd1jv/>

Date: Fri, 06 Sep 2002 04:21:21 +0000
From: "Dennis Ponsness" <wb0wao@hotmail.com>
To: brian@iquest.net, qrp-l@lehigh.edu
Subject: [134369] Re: UPDATED: the "Rock-Mite" files
Message-ID: <F123LvlKaDSZo18uogN000000134@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Mine were done with one of those "home label makers". The tape that I had
just happened to be real close to the color of the front panel of the box I
put them in. Check out KMart or Wallyworld for them. The tape is kinda
expensive, but it does a neat job.

72 es oo

Dennis - WB0WAO

NJQRP #329
FPQRP #-347
SOC #499
FISTS # 9299
GACW #622
ARS #1363

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<http://photos.msn.com/support/worldwide.aspx>

Date: Thu, 5 Sep 2002 21:25:16 -0700
From: "Alan Kaul, W6RCL" <alan.kaul@worldnet.att.net>
To: <fflynn@adelphia.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134370] Re: signal to noise
Message-ID: <002b01c2555d\$699531e0\$493ecd18@charterpipeline.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Fran:

I think your observation is about 24 hours too late -- the list has just reversed and shifted back from noise-to-signal, dropping Tourniquets, Snakes, Spiders, Stoves and Radio Shack.

Knock on wood, and hope that no one notices that the OFF-TOPIC posts have been missing in action.

Alan Kaul, W6RCL, LaCanada, CA
w6rcl@amsat.org
<http://home.att.net/~alan.kaul/index.html>

Date: Thu, 05 Sep 2002 23:42:10 -0500
From: "George, W5YR" <w5yr@att.net>
To: dock0evz@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134371] Re: Band improving K0EVZ FOX

Message-ID: <3D783222.13F62343@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for the pelt tonight, Doc. Not sure, but think I got first fur in the log this time around. You were skunk strong as usual at first then the band went long and you sagged a bit but still workable.

Paul was total vapor here in the North Texas area. One of our NETXQRP members worked him from Austin in Central Texas, but hardly a whiff up here. Paul normally bangs in here about like you do, but the propagation was very long tonight. I heard an IK station working Paul at the very end of the Hunt.

Thanks to you and the rest of the Committee for your efforts that made our Summer Hunts possible.

Now, everyone want to know when the Fall/Winter season starts! <:}

I don't think that this bunch will ever get enough Fox Hunting! May it ever be so . . .

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

wilford lindsey wrote:

>
> Gang:
>
> Have worked several in recent minutes: K4FB, WA2DGD, KI0II, KG6CYN, KJ0C
> and AA7EQ. So signals are coming in from all over. In fact, these have
> been exceptionally strong. Keep trying. Thanks.

Date: Thu, 5 Sep 2002 22:02:41 -0700
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [134372] Tuna Tin Web Info
Message-ID: <000601c25562\$a1c20c00\$9a4bfea9@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have been playing with HTML for a couple of weeks and have put together the start of my website. One of the pages is a Tuna Tin page. For those interested , the Tuna page of "The VE7SL Radio Notebook" is at <http://imagenisp.ca/jsm/Tuna.html>

72 / Steve

(please advise me if it shows any 'browser' problems)

Date: Fri, 06 Sep 2002 00:09:28 -0500
From: "George, W5YR" <w5yr@att.net>
To: n5ib@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134373] Re: crystal radio project for kids - kinda long
Message-ID: <3D783888.39E6D0E3@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Jim, the crystal set I had at age 9 or so didn't use a variable tuning cap at all. Instead it used a slider on the coil to vary the inductance. The coil was wound on a short "stick" about 1/4" thick and probably 1.5" wide by about 3' long. The slider pivoted in an arc and after a few traverses the insulation would be worn off and the slider could short out turns to "tune" the radio. Worked fine - I could pick up several stations from 69-70 miles away.

Maybe that approach would get around the tuning cap problem?

73/72, George
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe
Amateur Radio W5YR - the Yellow Rose of Texas
In the 57th year and it just keeps getting better!

n5ib@juno.com wrote:

>
> A young (college age) ham (KC5WYX - Alex) I'm working with is going to
> conduct a Saturday morning "Build a Crystal Radio" session at our public
> observatory in a few weeks.

> Put those thinking caps on - I'll collect ideas and post the collective
> wisdom to the list later.

Date: Fri, 06 Sep 2002 05:46:46 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: n5ib@juno.com
Subject: [134374] Re: crystal radio project for kids - kinda long
Message-ID: <F174clEohn9NhkribkrS000008d9d@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Jim,

When I was a kid I made such a capacitor using a couple pieces of Masonite(R), Al foil and wax paper. The thing was hinged together with a machine screw. Each board had a sheet of foil and a sheet of wax paper over it (wax paper sliding over wax paper). I believe that I simply used a screw to pressure connect a wire to the Al foil on each board. Worked FB but I used no "dial".

This was part of a one transistor receiver. I used a coil scrounged from a car radio (removable core). This was the receiver that introduced me to shortwave. First received non-MW BCB station was Radio Canada International.

I haven't a clue what was the capacitance range of the thing. Probably lower than your specs, though. Mine was about 4" square. Suppose you could scale as necessary.

Brad KG6IOE

n5ib@juno.com Writes:

[But both Alex and I have been playing around with making our own capacitors using aluminum foil glued to cardboard as the plates and waxed paper as dielectric. The kids would learn more about what a capacitor really is, and it would be neat to make a radio without the "store-bought" cap. We actually made a crystal set that could be tuned by squeezing the cap between the fingers to vary its capacitance. But I've run out of inspiration trying to think up a mechanical arrangement that would produce a decently reproducible variable cap that can be made by kids -- Hey, I was an EE, not an ME :^))

The salient parameters are these: Waxed paper (CutRite) is about 1 mil thick (0.054 mm) Estimating the dielectric constant at about 3 yields a capacitance of roughly 100 pF per square cm of plate area (675 pF per square inch). The ones I've made come pretty close to these numbers. So what say gang, how can we make a kid-built, primitive, variable cap out

of this stuff. The rules of the game are

A) has to use only very commonly available cheap stuff, like aluminum foil, glue sticks, hot,glue, waxed paper, Saran, copper wire, paper clips, cardboard, poster board, etc. Craft store stuff like foam-core board and those wooden disks and such are OK too.

B) no exotic schemes for electrical connection to the foil are allowed. has to be doable by 10 year olds. so no soldering, conductive copper foil or elastomers, etc., just twisting, taping, squeezing, etc. I used some of that conductive copper foil for mine, but that's cheating for the kid version.

C) max capacitance of about 300 to 400 pF needed, mininum should be around 50 pF or below.

D) need some mechanical arrangement such that sliding or turning or squeezing or twisting or some such will vary the capacitance and it will "stay put" reasonbaly well.

Put those thinking caps on - I'll collect ideas and post the collective wisdom to the list later.

72

Jim N5IB]

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<http://photos.msn.com/support/worldwide.aspx>

Date: Thu, 5 Sep 2002 22:49:50 -0700
From: "Trevor Jacobs" <kg6cyn@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134375] FOX: Audio Clips Updated
Message-ID: <001501c25569\$380f9eb0\$47e4b3d1@tjnotebook>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Ok, the Audio Clips are there. I got a couple of recordings tonight of Doc and Paul, plus a recording of Dennis N4DD last week and a clip of Tom N1TP calling the FOX. Was a good FOX HUNT season. Can't wait until the Winter Hunt! Take care and thanks to all FOXII for makin Thursdays a fun night!

73's Trev KG6CYN

<http://home.earthlink.net/~kg6cyn>

<http://www.qsl.net/kg6cyn>

Date: Fri, 06 Sep 2002 01:57:24 EDT

From: n5ib@juno.com

To: ccart@phideaux.com, qrp-1@lehigh.edu

Subject: [134376] Re: crystal radio project for kids - kinda long

Message-ID: <20020906.005518.4631.8.n5ib@juno.com>

On Thu, 5 Sep 2002 23:49:06 -0400 (EDT) Chris Cartwright

<ccart@phideaux.com> writes:

>Just built a 30pF variable in 5 minutes with tape, a toilet paper
>tube, and some aluminum foil.

Wow! several good ideas in a hurry, including the reminder about using a slider on the coil. But Chris's scheme got me interested. The trouble was not enough capacitance without getting physically large, because the paper roll was too thick. Same with the "cup-in-a-cup" So, here's a variation on Chris's cap:

Started with two toilet paper tubes. Glued (used a school type glue stick) aluminum foil onto the outside of that tube, covering the entire outer surface. Then covered the foil with a single layer of waxed paper, overlapping at the seam ever so slightly and securing with sticky tape.

Took the second tube in hand and slit it lengthwise, then glued aluminum foil onto the *inner* surface of that tube. Folded a bit of the foil back over the outer surface on either side of the slit.

Slightly spreading the slit tube, pushed it over the foil and waxed paper wrapped inner tube. Now the two foil layers are separated by only one thickness of waxed paper.

I also "cheated" by using alligator clips, but bare wire and paper clips would probably suffice for connections.

Hooked the contraption to a B&K LCR meter and got, would you believe, 30 pF to 700 pF, smoothly variable and pretty stable when left alone. Shoot, might not be bad for an antenna tuner :^))

Now *this* has promise. I'll cobble up a crystal set over the weekend with the pill bottle coil and the TP capacitor and see how she plays. If only there were rocks in Louisiana, might find some galena or iron pyrite for a detector. Oh well, if I hide the 1N34A maybe nobody will notice :^)) or try the razor blade trick...

Once again, the list comes through - great going guys...

72

Jim N5IB

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<http://dl.www.juno.com/get/web/>.

Date: Fri, 06 Sep 2002 02:02:21 -0400

From: Pete Burbank <plburbank@kih.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [134377] Re: crystal radio project for kids - kinda long

Message-ID: <5.0.2.1.0.20020906015510.009fcd60@KIH.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 11:35 PM 9/5/2002, n2go@arrl.net wrote:

>And the coil was wound on a cardboard tube from a toilet paper roll

>A small hole was punctured through the cardboard at both ends to pass the

>wire through and anchor the wire. Shellac is optional. From the 1950 or 60

>boy scout book....

>

> 73,

>

> Jim n2go

I'm glad someone mentioned the TP roll core.

My radio received all 4 local stations at once....guess that was the beginning of my brain filter development.:-)

73

Pete NV4V

Date: Fri, 06 Sep 2002 06:12:26 +0000
From: "Leon Heller" <leon_heller@hotmail.com>
To: n5ib@juno.com, qrp-1@lehigh.edu
Subject: [134378] Re: crystal radio project for kids - kinda long
Message-ID: <F22084tDBdsgx0Lyfwh0000539b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

>From: n5ib@juno.com
>Reply-To: n5ib@juno.com
>To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
>Subject: crystal radio project for kids - kinda long
>Date: Thu, 05 Sep 2002 22:34:36 EDT
>

>A young (college age) ham (KC5WYX - Alex) I'm working with is going to
>conduct a Saturday morning "Build a Crystal Radio" session at our public
>observatory in a few weeks. We're getting ceramic earphones from Mouser,
>1N34A diodes and polyfilm variable caps from Ocean State, and the kids
>will learn about inductors by winding the coils using large pill bottles
>for coil forms. (100 turns of #24 on a 60 dram pill bottle makes about
>300 uH, which resonates with a 280 pF capacitor at about 550 kHz)

I made a crystal set when I was 12, from a kit my father bought from a local
shop. It consisted of a coil, solid dielectric tuning capacitor, Ge diode,
perspex panel and an ex-army low-impedance headset. I built it on a small
piece of wood using one of those old soldering irons heated up on the
kitchen stove gas burner.

It picked up the three BBC stations quite well with an antenna strung across
the bedroom and an earth connection to a gas pipe in the fireplace.

How about using permeability tuning instead of a capacitor? A piece of
ferrite rod inside a suitable coil should do the trick.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790
Email:leon_heller@hotmail.com
My web page: http://www.geocities.com/leon_heller
My low-cost Altera Flex design kit: <http://www.leonheller.com>

MSN Photos is the easiest way to share and print your photos:
<http://photos.msn.com/support/worldwide.aspx>

Date: Fri, 06 Sep 2002 05:48:33 -0400
From: W2AGN <w2agn@w2agn.net>
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [134379] Re: End fed wire antenna
Message-ID: <3D7841B1.3572.D416304@localhost>
MIME-version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

On 5 Sep 2002 at 18:51, Karl F. Larsen wrote:

>
> Let me who has recient experiance tell you that a 44 foot dipole just
> off the roof of my home fed with 30 feet of 300 ohm ribbon was easy to
> match and worked quite well on 75 meters. I thought it was an end fed
> zepp but testing showed it is a Marconi inverted L and it does work
> well!

Yes. let an expert, who calls the same 44' piece of wire a "dipole," a "zepp," and finally a Marconi," tell you all about antennas.

Next it will be 1/4 of a very small rhombic.

--

/ \ / \ / \ / \ / \ John L. Sielke
(W)(2)(A)(G)(N) <http://www.w2agn.net>
_ / _ / _ / _ / _ / QRPARCI, NJQRP, ARQrp, GQRP, RSGB
Ex- K3HLU, W7JEF, W4MPC, N4JS

Date: Fri, 06 Sep 2002 07:43:40 -0400
From: Ken Wagner <kewagner@ids.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [134380] FOX: Thanks for the FUN!
Message-ID: <4.3.2.7.2.20020906074116.00a94670@pop3.ids.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Just wanted to thank all those brave souls who volunteered to be hounded by the great unwashed masses this summer. It was fun. Lookin' forward to the winter run. Won't have to stay up so late <g>.

73, Ken K3IU

Date: Fri, 6 Sep 2002 06:55:39 -0500

From: "Brian" <brian@iquest.net>

To: "QRP-L" <qrp-l@lehigh.edu>, "Pigs" <fpqrp-l@mpna.com>

Subject: [134381] Happiness Defined

Message-ID: <000d01c2559c\$5246dc70\$2e692bd1@bmurrey2K>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Two weeks ago I was at an auction and I bought a box of "junk" for a mere \$2.00, which I promptly threw on the pile in the lab (formerly known as my garage).

This morning I was standing in the lab, sucking down some coffee, contemplating just how bad this day at work might end up sucking my will to live when I came across the box. Opening it I discovered that it was INDEED a box of junk. Glob of old waxed covered caps kind of stuck together with some sort of leaky caulking tube, some old pieces and parts of what may have been an old radio or two...not much good stuff at all....so I dumped the collection out on the floor.

WIIGII!!!! In the midst of this vast array of dreck I found not one, but TWO large air variable caps that seemed to be in pretty good order.

So I snatched them up and put them on the bench, and with the aid of my trusty AADE LC meter (I LOVE this meter) I determined they were double ganged (didn't really need the meter for that) and they were 27pf to 478pf, per section, air vari caps. Well worth the \$2 I paid.

Now my day is made, no matter what my users do to my network today, I will revert to my happy place and relive the discovery of my recently aquired treasures...which beats a fetal position on the floor in the systems room, with drool running down my chin and a half full adult diaper....which thankfully, doesn't happen a LOT.

73 de KB9BVN

Finding great parts in cheap junk grab boxes at auctions it like
working DX on your Tuna Tin II.

```
=====
KB9BVN/QRP - New Whiteland IN - EM69WN
QRP-ARCI #10223 QRP-L #1540 FIST #5695
FISTS CC #764 - Proud Member ARRL
HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
INTO INFAMOUS AF4PS ATTIC DIPOLE
SOC #400 AND FLYING PIGS QRP #-57
=====
```

```
-----

Date: Fri, 6 Sep 2002 07:54:53 -0400
From: "Ken Newman" <n2cq@dandy.net>
To: "W3BG" <W3BG@arrl.net>, "EPA-QRP Club" <EPA-QRP@yahoogroups.com>,
    "NJ-QRP Club" <NJQRP@njqrp.org>,
Subject: [134382] [CONTEST] N2CQ QRP Contest Calendar, Sept 6-30
Message-ID: <001701c2559c$38343580$419dfa42@18.95.182.twsn1.md.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
```

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~~~~~

N2CQ QRP CONTEST CALENDAR
```

September 2002

```
~~~~~

All Asian DX Contest (SSB)
```

Sep 07 - 0000z to Sep 08 - 2400z

Rules: <http://www.jarl.or.jp/English/0-2.htm>

"Big Asian activity"

```
~~~~~
```

IARU Region 1 Fieldday (SSB) ... QRP Category

Sep 07 - 1300z to Sep 08 - 1300z

Rules: <http://www.sk3bg.se/contest/iarur1fd.htm>

"Logs for NA hams to RAC or ARRL"

~~~~~

AGCW Straight Key Party (CW - 40 Meters) ... QRP Category

Sep 7 - 1300z to 1600z

Rules: <http://www.agcw.de/>

"Mostly EU Participation but work anyone"

~~~~~

NA Sprint (CW)... QRP Category

Sep 08 - 0000z to 0400z

Rules: <http://www.ncjweb.com/sprintrules.php>

"Short, intense competitions that challenge the best"

~~~~~

End of Summer PSK-31 Sprint (14.070 mhz)\*\*\* QRP Contest \*\*\*

Sep 08 - 2000z to 2400z

Rules: <http://personal.palouse.net/rfoltz/arci/psk31.htm>

"Warble Away with QRP"

~~~~~

Worked All Europe DX Contest (SSB) 100W> Low Power Category

Sep 14 - 0000z to Sep 15 - 2400z

Rules: <http://www.darc.de/referate/dx/fedcw.htm>

"THE most challenging DX contest in the world..."

~~~~~  
ARRL September VHF QSO Party (All) Low Power Category

Sep 14 - 1800z to Sep 16 - 0300z

Rules: <http://www.arrl.org/contests/rules/2002/VHFQSO.pdf>

"Work the most Grids"

~~~~~

Second Class Operator Club Marathon (CW) *** QRP Contest ***

Sep 14 - 1800z to 2400z

Rules: <http://www.qsl.net/soc/020914.htm>

"Left-foot keying not required for event"

~~~~~

NA Sprint (SSB)... QRP Category

Sep 15 - 0000z to 0400z

Rules: Rules: <http://www.ncjweb.com/sprintrules.php>

"Short, intense competitions that challenge the best"

~~~~~

Tennessee QSO Party

Sep 15 - 1800z to Sep 16 - 0100z

Rules: <http://www.k4ro.net/tcg/tqp.html>

"/QRP entries so listed"

~~~~~

Scandinavian Activity Contest (CW) ... QRP Category

Sep 21 - 1200z to Sep 22 - 1200z

Rules: <http://www.sk3bg.se/contest/text/sacnsc.txt>

"Work as many Scandinavian stations as possible"

~~~~~  
QRP Afield (All) *** QRP Contest ***

Sep 21 - 1500z to Sep 22 - 0300z (Enter your best 6 hours)

Rules: <http://www.qsl.net/wq1rp/qrpaf02r.htm>

"Granddaddy" of the outdoor QRP events"

~~~~~  
Washington State Salmon Run (CW/SSB) ... QRP Category

Sep 21 - 1600z to Sep 22 - 0700z

Sep 22 - 1600z to Sep 22 - 2400z

Rules: <http://www.wwdxc.org/salmonrun/rules.htm>

"Work WA stations. Plaques, Trophies, and Packages of Smoked Salmon"

~~~~~  
Fall QRP Homebrewer Sprint (CW/PSK31) ***QRP CONTEST***

Sep 23 - 0000z to 0400z (Sunday evening in US/Canada)

Rules: <http://www.njqrp.org/data/qrp-homebrewers-sprint.html>

"Prizes for the winner(s) and special certificates for all"

~~~~~  
CQWW RTTY DX Contest ... <150w Category

Sep 28 - 0000z to Sep 29 - 2400z

Rules: <http://www.rttyjournal.com/rules/cqww.html>

"Big RTTY contest. LOTSA fun on QRP frequencies for CW (NOT!)"

~~~~~  
Tesla Cup ... QRP Category

Sep 28 - 0000z to 2400z (SSB)
Sep 29 - 0000z to 2400z (CW)

Rules: <http://members.aol.com/k3bu/TeslaCup.htm>

"Promote international good will, competition, sportsmanship,
technical excellence & operating skills"

~~~~~  
Scandinavian Activity Contest (SSB) ... QRP Category

Sep 28 - 1200z to Sep 29 - 1200z

Rules: <http://www.sk3bg.se/contest/text/sacnsc.txt>

"Work as many Scandinavian stations as possible"

~~~~~  
Texas QSO Party (All) ... QRP Category

Sep 28 - 1400z to Sep 29 - 0200z
Sep 29 - 1400z to Sep 29 - 2000z

Rules: <http://www.k5vuu.com/tqp/>

"Contact as many different Texas counties as possible"

~~~~~  
Louisiana QSO Party (CW/PH) ... QRP Category

Sep 28 - 1400z to Sep 29 - 0200z  
Sep 29 - 1400z to Sep 29 - 2000z

Rules: <http://www.tchams.org/users/contest/laqp>

"Work as many Louisiana stations as possible"

~~~~~  
Alabama QSO Party (CW/SSB) ... QRP Category

Sept 28 - 1800z to 2400z

Rules: <http://web.dbtech.net/~dxcc/rules1.htm>

"Work Alabama Counties"

~~~~~  
Thanks to K3WWP, SM3CER, WA7BNM, ARRL and others  
for assistance in compiling this calendar.

Anyone may use this "QRP Contest Calendar" for your website, newsletter,  
e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de  
Ken Newman - N2CQ

N2CQ@ARRL.NET           <http://www.NJQRP.org>  
                          <http://www.N3EPA.org>  
                          <http://www.qsl.net/cqrp/contests.html>

-----  
Date: Fri, 6 Sep 2002 07:52:12 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <n2go@arrl.net>,  
      "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [134383] Re: crystal radio project for kids - kinda long  
Message-ID: <005001c2559c\$11df4820\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> And the coil was wound on a cardboard tube from a toilet paper roll  
> A small hole was punctured through the cardboard at both ends to pass  
the  
> wire through and anchor the wire. Shellac is optional. From the 1950 or  
60  
> boy scout book....  
>  
> 73,  
>  
> Jim n2go

What ever happened to the Oatmeal box?

Mike

-----  
Date: Fri, 6 Sep 2002 07:55:37 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: <fflynn@adelphia.net>,  
      "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [134384] Re: signal to noise  
Message-ID: <006c01c2559c\$52f45a80\$0300a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
              charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

> The signal to noise ratio on this list has taken a turn toward noise.  
> Can we think before we post  
> please? Didn't Radioshack (the thread) get run into the ground once  
> already? Maybe we  
> should go clean out our earwax first before posting, that should give us  
> a chance to think a  
> little.

Gee, if you miss them that much, I'm sure a bunch of people can start  
them back up.

-----  
Date: Fri, 6 Sep 2002 06:10:42 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: qrp-1@lehigh.edu  
Subject: [134385] OT Spam Exposure  
Message-ID: <Pine.LNX.4.44.0209060554300.1850-1000000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

I see on several lists I recieve many messages from @yahoo.com  
and wondered why. So I asked and it seems everyone active on the web  
gets a mountain of spam because there are software that harvest your  
e-mail address from lists, and web pages.

I have had a yahoo address for over 2 years and it gets about 30  
spam messages/day. I have been using their "Spam Guard" and you see how  
well it works. So I turned it off and have been "reporting" and

"blocking" spam with a little success. And I forget the thing for a few weeks and it gets over 1 meg of spam and stops reciving any more mail. This helps too.

Now most of my spam on yahoo is from the orient. I can't read it and of course don't want to.

If I can ever get the yahoo address cleaned up I plan to use it as my web address. I live in a small town so much of what I buy is via the web. Then spam to my normal address might slow down over time.

--  
72, Karl K5DI

```
| | _ | _ || \ | | | | | \ \ / /  
| | _ | | | . ' | | | _ | | > * <  
| _ _ | _ | | _ \ \ _ _ _ / / _ \ \
```

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Date: Fri, 6 Sep 2002 09:03:35 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: "QRP" <qrp-1@lehigh.edu>  
Subject: [134386] Re: End fed wire antenna  
Message-ID: <20020906130511.XTYF12810.imf15bis.bellsouth.net@[192.168.0.23]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 9/5/02 8:51 PM, Karl F. Larsen at k5di@zianet.com wrote:

```
>Let me who has recient experiance tell you that a 44 foot dipole just
>off the roof of my home fed with 30 feet of 300 ohm ribbon was easy to
>match and worked quite well on 75 meters.
```

Yes, but it wasn't very efficient, was it? I thought I saw a posting by you that indicated this antenna "didn't work".

>I thought it was an end fed zepp

But, it IS an end-fed zepp!

```
>but testing showed it is a Marconi inverted L and it does work
>well!
```

Uh, A Marconi (of which an Inverted-L is a variant) are different antennas from the end-fed Zepp, Karl.

A 1/4 wave fed against ground is a "Marconi", although we rarely call them that -- they are just 1/4 wave verticals. Typically, we refer to a top-loaded "T" shaped antenna as a Marconi. We often see them used when a multi-band dipole is fed at a frequency far below it's resonant length. (eg using a 125 foot doublet at 160m) By tying the two ends of the open wire feedline together, the doublet becomes an Marconi. It's effectively a shortened vertical with skeletal (two wire) top-loading.

Another way to reduce the support requirements are to fold the antenna 90 degrees -- the Inverted L. These are popular antennas on 160m and 80m, and work quite well when fed against a good set of radials.

The key difference, Karl, is that the Marconi and the Inverted-L are fed against ground at the ground. Your antenna has a feedline going up to the horizontal element, so some of the currents there are cancelled.

To make it into an inverted-L, you could just connect the one wire of the feedline, and leave the other one unconnected (or tie them together).

Bill Coleman, AA4LR, PP-ASEL                      Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 6 Sep 2002 06:21:39 -0700 (PDT)  
From: Lloyd Lachow <llachow@yahoo.com>  
To: QRP-l <qrp-l@lehigh.edu>, "Li'l Piggies" <fpqrp-l@mpna.com>  
Subject: [134387] Corrected Truffle log  
Message-ID: <20020906132139.85502.qmail@web10002.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Thanks to Tom, N1TP. I tried checking a bunch of variants, but missed this one. Duhhh!  
Sorry, Bill. Living up to my SOC credo.

|       |     |    |        |    |
|-------|-----|----|--------|----|
| KB7WW | 559 | OR | Art    | 5W |
| K0EVZ | 569 | ND | Doc    | 5W |
| N1TP  | 559 | FL | Tom    | 5W |
| K5JHP | 559 | TX | Bill   | 5W |
| W5YR  | 559 | TX | George | 5W |
| W5TB  | 559 | TX | Doc    | 5W |

|        |     |    |       |    |
|--------|-----|----|-------|----|
| NN5E   | 559 | TX | Vern  | 5W |
| N5ZE   | 439 | TX | Lew   | 5W |
| K5SR   | 559 | TX | Dale  | 5W |
| W5USJ  | 559 | TX | Chuck | 5W |
| AA50   | 599 | LA | Vern  | 5W |
| VA6RF  | 559 | AB | Earl  | 5W |
| AG0T   | 559 | ND | Todd  | 4W |
| K5TR   | 579 | TX | Geo   | 5W |
| K7IE   | 559 | OR | Clair | 5W |
| KQ5U   | 559 | TX | Terry | 5W |
| KD5CMN | 559 | TX | Mike  | 5W |
| K5DI   | 559 | NM | Karl  | 5W |
| AC5JH  | 559 | OK | Tom   | 5W |

oo/72,  
Lloyd, K3ESE

=====

73, Lloyd, K3ESE  
K1 # 00379 - ARRL  
ARS #1301 - FISTS #8774  
FPqrp #476 - QRParci #11147  
QRP-L #2415 - SOC #530  
HGT #6'1 - Wgt #190 - BT #B-

-----  
Do You Yahoo!?  
Yahoo! Finance - Get real-time stock quotes  
<http://finance.yahoo.com>

-----  
Date: Fri, 06 Sep 2002 09:40:57 -0400  
From: Macstein@aol.com  
To: qrp-l@lehigh.edu, fpqrp-l@mpna.com  
Subject: [134388] SKEDS reflector hiccup?  
Message-ID: <3AB46AC8.545F0449.00790130@aol.com>  
Content-Type: text/plain; charset=iso-8859-1  
Content-Transfer-Encoding: 8bit

What in the world happened? Some kind of loop/wormhole in the space/time continuum? I got 74 copies of Franks request to the QSL server -- so far.

-MAC-  
AF4PS

-----  
Date: Fri, 6 Sep 2002 08:02:49 -0700 (MST)  
From: Chris Trask <ctrask@primenet.com>  
To: "Karl F. Larsen" <k5di@zianet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134389] Re: OT Spam Exposure  
Message-ID: <Pine.BSI.3.96.1020906075543.29685A-1000000@usr02.primenet.com>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Sep 2002, Karl F. Larsen wrote:

>  
> I see on several lists I recieve many messages from @yahoo.com  
> and wondered why. So I asked and it seems everyone active on the web  
> gets a mountain of spam because there are software that harvest your  
> e-mail address from lists, and web pages.  
>  
>

For my primary email address I've been using Outlook Express, and the "Blocked Senders" and "Mail Rules" folders are getting pretty full. I'm able to sift out over 90% of the spam, but the ways these people find of getting around the filters gets more pervasive every day. Some of them have a "to be removed from this list" that gives you something to work with for filtering. One, however, used the archaic word "abnegate" in that block, and I had to look it up in my Oxford dictionary. I actually got a little education with that one.

I would like to "abnegate" the spam altogether, just like everyone else. But there will always be a segment of society that makes a living prying money from the naive.

Chris

-----  
/ What's all this \  
/ extinct stuff, anyhow? /  
\\-----'  
- |/  
oo\  
( ) \ . - .  
\\ \ .  
\\ \"  
 . ( ) \

High Performance Mixers and  
Amplifiers for RF Communications

Chris Trask / N7ZWY  
Principal Engineer  
Sonoran Radio Research  
P.O. Box 25240  
Tempe, Arizona 85285-5240

IEEE Member #40274515

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c\_\_; c\_\_; '-..'>.\_\_

Email: ctrask@primenet.com  
<http://www.primenet.com/~ctrask>

Graphics by Loek Frederiks

-----  
Date: Fri, 6 Sep 2002 07:06:18 -0700  
From: "Bill Jones" <kd7s@psnw.com>  
To: <ve3ab@mail.mondenet.com>,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>  
Subject: [134390] Re: NEW EPROM QRP+..progress report.  
Message-ID: <002101c255ae\$92d9e860\$9110010a@fresno>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

If someone with a QRP + doesn't buy this man a pizza and a beer, something is seriously wrong. I don't own one myself but that doesn't stop me from sincerely admiring what Earl has done. This, my friends, is what amateur radio is all about -- hams helping hams. My hat's off to you Earl.

=====  
Bill Jones - <><  
Sanger, California

=====  
----- Original Message -----  
From: <ve3ab@mail.mondenet.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Thursday, September 05, 2002 13:44 PM  
Subject: NEW EPROM QRP+..progress report.

> Hello All. I think Ive now emailed everyone who asked me for a new  
> eprom for the QRP+.

-----  
Date: Fri, 06 Sep 2002 10:06:14 -0400  
From: Dave Richards <wr3i@earthlink.net>  
To: k5di@zianet.com,  
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>





Here's the first draft of my log from last night. Not as many pelts handed out...but that leaves plenty for next time! I know that the F1 key on my keyboard handles repeated pushes well ;-)

Notice the amount of Peksy Texans...not very many! Some might say that the run of VE's early on might earn them the title of Peksy!

N1QO was LOUD but the only station in the Northeast worked.

Please send any corrections ASAP.

73

Paul K4FB

02:00 N9NE 599 WI TODD 100MW  
02:00 VE6EX 559 AB DAN 5W  
02:01 KB7WW 559 OR ART 5W  
02:01 NU0V 559 IA JOHN 5W  
02:02 K9IUA 559 IA KEVIN 5W  
02:03 K5DI 559 NM KARL 5W  
02:03 VE3FAL 599 ON FRED 5W  
02:04 VE4WI 559 MB CRAIG 5W  
02:05 VE5RC 559 SK BRUCE 5W  
02:05 VA6RF 579 AB EARL 5W  
02:06 N0TK 559 CO DAN 5W  
02:06 K5TR 559 TX GEO 100MW  
02:07 AG0T 559 SD TODD 400MW  
02:08 WR50 559 TX DAVE 5W  
02:09 KK5LD 559 TX JIM 5W  
02:09 N1TP 539 FL TOM 5W  
02:10 N1FN 559 CO ET 5W  
02:11 K7IE 579 OR CLAIR 5W  
02:12 K6MMC 559 CA MIKE 5W  
02:13 N5ZE 559 TX LEW 5W  
02:14 W4NJK 559 CA CHARLIE 5W  
02:18 KI0RB 599 CO VINCE 5W  
02:19 NK6A 539 CA DON 5W  
02:22 W6KI 579 CA GLEN 5W  
02:26 N4ROA 559 VA DAN 5W  
02:28 KG6CYN 559 CA TREV 5W  
02:36 KR0U 579 CO TIM 5W  
02:41 N1WPU 599 MI TED 5W  
02:47 AC7A 559 AZ TOM 5W  
02:53 KJ0C 559 MO JIM 5W  
02:54 AL7FS 559 AK JIM 5W  
03:03 KI0II 589 CO RON 1W  
03:06 K0EVZ 589 ND DOC 5W

03:08 WA9TZE 559 WI JIM 5W  
03:12 KI0MZ 559 CO STEVE 5W  
03:18 AA7EQ 559 AZ BOB 5W  
03:23 K5EOA 556 LA WAYNE 5W  
03:27 K7NWS 579 WA STEVE 5W  
03:31 NQ7T 559 WA GARY 500MW  
03:32 AA50 559 LA VERN 5W  
03:38 N7XY 559 WA BOB 5W  
03:50 LZ2RS 579 LZ RUMI 5W  
03:54 N1Q0 599 VT JOHN 5W  
03:58 IK2XEF 559 IK FRANK 100W  
04:00 K4FB 599 FL Paul 5W

-----  
Date: Fri, 6 Sep 2002 10:18:50 -0400  
From: Bill Coleman <aa4lr@arrl.net>  
To: <pgardella@yahoo.com>,  
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [134393] Re: Favorite low loss coax?  
Message-ID: <20020906142027.EQKU15495.imf01bis.bellsouth.net@[192.168.0.23]>  
Mime-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"

On 9/5/02 10:17 AM, Patrick Gardella at pgardella@yahoo.com wrote:

>I'm running new antenna cabling to minimize line losses (40-10, no  
>VHF/UHF). Belden 9913 and  
>LMR-400 (0.8 and 0.7 dB/100ft@30MHz respectively) both look pretty good  
>and I can find them for  
>around \$.59/ft.  
>  
>Are there better low loss coax cables (no larger than an RG-213 size)?

The main problem with 9913 (and the similar LMR-400), is that the air dielectric tends to collect condensation after a while. Once the cables fill up with water, they are no longer low-loss....

Part of it depends on your climate. If you live in Arizona or New Mexico, the air is so dry much of the year you probably don't have to worry about this. But in Florida or Georgia, these cables tend to fill up with water over time. Sometimes it helps to carefully seal the ends, but this often delays the water incursion rather than completely prevent it.

Frankly, for HF use, I wouldn't worry about RG-213 loss unless you have a run in excess of 150 feet.

VHF and UHF are another story entirely. There's a local VHF/UHF enthusiast who says the smallest feedline he uses is 7/8" hardline.

Bill Coleman, AA4LR, PP-ASEL            Mail: aa4lr@arrl.net  
Quote: "Not within a thousand years will man ever fly!"  
      -- Wilbur Wright, 1901

-----  
Date: Fri, 6 Sep 2002 10:19:11 -0400 (EDT)  
From: wb0wao@hotmail.com (Dennis Ponsness)  
To: Macstein@aol.com  
Cc: qrp-l@lehigh.edu, fpqrp-l@mpna.com  
Subject: [134394] Re: [fpqrp] SKEDS reflector hiccup?  
Message-ID: <27696-3D78B95F-393@storefull-2155.public.lawson.webtv.net>  
Content-Disposition: Inline  
Content-Type: Text/Plain; Charset=US-ASCII  
Content-Transfer-Encoding: 7Bit  
MIME-Version: 1.0 (WebTV)

Yep that is what happened all right.....

Yep that is what happened all right.....

AHHHHHHH    You see it happened again.....

Back to work on my Hyper-Phased Poly-Dimensional Attenuator....

72 es oo

Dennis - WB0WAO

NJQRP #329  
FPQRP #-347  
SOC    #499  
FISTS # 9299  
GACW #622  
ARS #1363

-----  
Date: Fri, 6 Sep 2002 09:39:01 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Dave Richards <wr3i@earthlink.net>

Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134395] Re: OT Spam Exposure  
Message-ID: <Pine.LNX.4.44.0209060937580.2834-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Sorry Dave. Seems that a lot of others do.

On Fri, 6 Sep 2002, Dave Richards wrote:

```
> Karl,  
>           I don't understand the purpose of this post?  
> Dave  
>  
> At 06:10 AM 9/6/2002 -0600, Karl F. Larsen wrote:  
>  
> >           I see on several lists I recieve many messages from @yahoo.com  
> >and wondered why. So I asked and it seems everyone active on the web  
> >gets a mountain of spam because there are software that harvest your  
> >e-mail address from lists, and web pages.
```

--  
72, Karl K5DI

```

| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | |
|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|

```

Date: Fri, 6 Sep 2002 11:46:07 -0400 (EDT)  
From: Chris Cartwright <ccart@phideaux.com>  
To: <n5ib@juno.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134396] Re: crystal radio project for kids - kinda long  
Message-ID: <Pine.LNX.4.33.0209061134510.11946-100000@dns.phideaux.com.>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Fri, 6 Sep 2002 n5ib@juno.com wrote:

```
> Now *this* has promise. I'll cobble up a crystal set over the weekend
> with the pill bottle coil and the TP capacitor and see how she plays.
```

TP Capacitor (tm), So I guess we'll have to share all the royalties,

acclaim, and speaking engagements <grin>.

Seriously Jim, keep us informed, might be a lot of others who'd want to duplicate this. Don't think I can find any galina or iron pyrite in the back yard, but I do regularly find large (baseball size) chunks of mica in the back forty. Now what we need is to cobble up a "TP capacitor" TX and start a race for the first "two ply" QS0. :)

72 es gl

```
-- Chris Cartwright,   Unix Administrator |      ccart@phideaux.com      --
-- N3XRV      ARRL-VE   Norcal Zombie #163  |      Oxford, PA 19363 FM29as   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

-----

Date: Fri, 6 Sep 2002 11:50:13 -0400  
From: "John Dorson" <jdorson@worldshare.net>  
To: "QRP-L" <qrp-l@lehigh.edu>  
Subject: [134397] Portable wipinfo  
Message-ID: <002d01c255bd\$1a110c60\$8d9b8b41@atwork>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="Windows-1252"  
Content-Transfer-Encoding: 7bit

Can anyone that uses one of those "window" type antennas please give me some feedback on how well/not well they perform. Here's my situation. I have a hustler 20 meter resonator mounted on a 24" mast which in turn is mounted on a metal bracket which I clamp to a table. Using 2 16" radial strung out in opposite directions gives me a 1.1:1 swr. My problem is that I want to use it on my next cruise but since I'll be operating from the cabin's balcony I can only string the radials in one direction. Trying this outside I can't get the resonator to load up.

I see the ads for MFJ, B&W and a home brew antenna that only use one radial. What am I doing wrong.

Thanks

John K2JHU...  
Melbourne Beach, FL  
jdorson@worldshare.net  
FISTS 8637, CQC 351

-----  
Date: Fri, 6 Sep 2002 12:02:47 -0400  
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134398] RE: Portable wipinfo  
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D3075E@ev008msxaege.ae.ge.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
        charset="iso-8859-1"

I'm curious - if you connected the coax ground to the ship structure, wouldn't you have one awesome ground plane, or does the ground plane have to be tuned as well?

Just thinking about the 2m vertical on my car - the car itself is the ground plane - no counterpoise needed.

I've never been on a cruise ship, but I thought sometimes they let you operate the ship's radio station. Now that would be way cool!

Mark, AA4MF

-----Original Message-----  
From: John Dorson [mailto:jdorson@worldshare.net]  
Sent: Friday, September 06, 2002 11:50 AM  
To: Low Power Amateur Radio Discussion  
Subject: Portable wipinfo

Can anyone that uses one of those "window" type antennas please give me some feedback on how well/not well they perform. Here's my situation. I have a hustler 20 meter resonator mounted on a 24" mast which in turn is mounted on a metal bracket which I clamp to a table. Using 2 16" radial strung out in opposite directions gives me a 1.1:1 swr. My problem is that I want to use it on my next cruise but since I'll be operating from the cabins balcony I can only string the radials in one direction. Trying this outside I can't get the resonator to load up.

I see the ads for MFJ, B&W and a home brew antenna that only use one radial. What am I doing wrong.

Thanks

John K2JHU...  
Melbourne Beach, FL  
jdorson@worldshare.net

FISTS 8637, CQC 351

-----  
Date: Fri, 06 Sep 2002 10:03:28 -0700  
From: Brian Kassel <bkassel@mato.com>  
To: QRP-L <QRP-L@lehigh.edu>  
Subject: [134399] Antenna Beam Width Question  
Message-ID: <3D78DFE0.37996ECD@mato.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

QRP Folks:

I am in the process of designing and building several vee long wire antennas for this new QTH. I went to the web, and of course various editions of the ARRL Antenna Book. I was able to obtain most of the information that I needed. What I can't seem to predict is the expected beam width of the antennas. I think that I have a pretty good handle on how to design these antennas for my requirements. My question is, how does one figure the beam width? I could model the antennas, but I have as yet not developed the skill to model antennas using the software that is available. The books cover gain, apex angles, wave lengths etc. to a very fine degree, but never talk of beam width. It would seem to me if all of the other parameters are so predictable, why not beam width? I'm thinking that a chart could be developed, as the other parameters are really quite predictable. I'm not looking for extreme accuracy here, just a general idea so that I plan the antennas to cover 360 degrees reliably. The antennas are all the same. 360 feet on a leg, unterminated (Bi-directional), apex angle of 35 degrees. Height will be rather low, about 20 to 30 feet. These parameters yield about 7 DB gain on 20M, 8.8 DB gain on 15M, and 11.4 DB gain on 10M. I realize of course, that the beam width will vary as frequency and wavelength vary as well. All are fed with 450 line to allow multiband operation. Tuners, based on the ZM-1 and ZM-2 will be used in the shack on each antenna. The tuners will be built to handle 100W though. How about it, anyone want to rattle my old brain cells with an answer?

Brian K7RE

-----  
Date: Fri, 6 Sep 2002 10:15:34 -0600  
From: William R Colbert <w5xe@juno.com>  
To: qrp-l@lehigh.edu

Subject: [134400] Re: signal to noise  
Message-ID: <20020906.101537.-334063.0.w5xe@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Never mind - Dr. Karl (?)has already started another-  
I thank the computer manufacturers every day for  
the delete key.

Ray

It is amazing what you can accomplish if you do not  
care who gets the credit. HST  
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M  
NARTE-NCT2R FP# 111, SOC#78,QRP-ARCI 5784,  
El Paso,(FAR WEST)TEXAS

-----  
Date: Fri, 6 Sep 2002 16:17:01 +0000 (GMT)  
From: <adamvaz@palm.net>  
To: <jdorson@worldshare.net>, <qrp-l@lehigh.edu>  
Subject: [134401] re: Portable window antenna pinfo  
Message-ID: <20020906161701.E52F54519@mo110uhou.palm.net>  
Mime-Version: 1.0  
Content-Type: text/plain ; boundary="-----\_Part\_3805\_1587927.1031329021943"

Whenever I built an antenna with a Hustler resonator, I used another (usually the  
smaller one) for the counterpoise. If you have another short mast and a long  
stinger, install them on a C-clamp at 90 degrees and tune to suit.

I think someone is selling just that at the hamfest.

---

Adam Vazquez Kb2Jpd

---

This email was sent from my Palm(TM) i705 handheld (www.palm.com)

John Dorson <jdorson@worldshare.net> wrote:

-----  
>Can anyone that uses one of those "window" type antennas please give me some  
>feedback on how well/not well they perform. Here's my situation. I have a  
>hustler 20 meter resonator mounted on a 24" mast which in turn is mounted on  
>a metal bracket which I clamp to a table. Using 2 16" radial strung out in



>opposite directions gives me a 1.1:1 swr. My problem is that I want to use  
>it on my next cruise but since I'll be operating from the cabins balcony I  
>can only string the radials in one direction. Trying this outside I can't  
>get the resonator to load up.  
>  
>I see the ads for MFJ, B&W and a home brew antenna that only use one radial.  
>What am I doing wrong.  
>  
>Thanks  
>  
>John K2JHU...  
>Melbourne Beach, FL  
>jdorson@worldshare.net  
>FISTS 8637, CQC 351  
>  
>

-----  
Date: Fri, 06 Sep 2002 16:29:28 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: ccart@phideaux.com, qrp-1@lehigh.edu  
Subject: [134402] Re: crystal radio project for kids - kinda long  
Message-ID: <F1480xkCT3gDdgPsG6V00023377@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Further to my suggestion of using permeability tuning, I have just done some tests on a simple tuning device using a ferrite rod.

The former was made from some rolled up paper secured with masking tape so that the rod could slide freely inside it (about 1/2" dia.). I wound a coil about 1/2" long onto the former using 0.315 mm dia. ECW and connected it across a 220 pF polystyrene capacitor. Checking for resonance with a signal generator and scope, and sliding the ferrite rod in and out of the coil, I got a tuning range of about 1.0 MHz to 1.7 MHz. The inductance was thus varying from about 115 uH to 40 uH. Not as good a range as a decent tuning capacitor, but a lot cheaper, and much easier to make than a home-made capacitor.

Something like this has been used for a QRP ATU; I think it was called a "trombone tuner".

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

---

Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

---

Date: Fri, 06 Sep 2002 16:28:21 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: ccart@phideaux.com, qrp-1@lehigh.edu  
Subject: [134403] Re: crystal radio project for kids - kinda long  
Message-ID: <F110NJSLNQUKc52AV0Z00024b98@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Further to my suggestion of using permeability tuning, I have just done some tests on a simple tuning device using a ferrite rod.

The former was made from some rolled up paper secured with masking tape so that the rod could slide freely inside it (about 1/2" dia.). I wound a coil about 1/2" long onto the former using 0.315 mm dia. ECW and connected it across a 220 pF polystyrene capacitor. Checking for resonance with a signal generator and scope, and sliding the ferrite rod in and out of the coil, I got a tuning range of about 1.0 MHz to 1.7 MHz. The inductance was thus varying from about 115 uH to 40 uH. Not as good a range as a decent tuning capacitor, but a lot cheaper, and much easier to make than a home-made capacitor.

Something like this has been used for a QRP ATU; I think it was called a "trombone tuner".

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790  
Email:leon\_heller@hotmail.com  
My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)  
My low-cost Altera Flex design kit: <http://www.leonheller.com>

---

MSN Photos is the easiest way to share and print your photos:  
<http://photos.msn.com/support/worldwide.aspx>

-----  
Date: Fri, 6 Sep 2002 09:36:00 -0700 (PDT)  
From: Bill ROWLETT <kc4atu@yahoo.com>  
To: Mark.Fancher@ae.ge.com,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134404] RE: Portable wipinfo  
Message-ID: <20020906163600.45816.qmail@web14207.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Use one 16' wire connected to the ground post of the tuner as a counterpoise, should load just fine. Be sure to get permission from the ship's captain before operating aboard ship.

As far as the ship's radio goes, it is all computerized to the little metal cans which circle the earth. Radio operators are basically computer operators these days.

73, Bill kc4atu

-----  
Do You Yahoo!?  
Yahoo! Finance - Get real-time stock quotes  
<http://finance.yahoo.com>

-----  
Date: Fri, 06 Sep 2002 12:37:11 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134405] Re: crystal radio project for kids - kinda long  
Message-ID: <3D78A177.18233.EB78EBC@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 6 Sep 2002 at 16:28, Leon Heller wrote:

Further to my suggestion of using permeability tuning, I have just done some tests on a simple tuning device using a ferrite rod.

I somehow missed the beginning of this thread, so excuse if this has already been suggested, but you might want to look at the "Xtal Set Society's" Web Page. Lot's of

stuff, and even kits.

<http://www.midnightscience.com/>

--

/\ /\ /\ /\ /\ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_/\_/\_/\_/\_/ QRPARCI, NJQRP, ARQrp,GQRP,RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Fri, 6 Sep 2002 11:54:42 -0500  
From: Nick Kennedy <nkennedy@tcainternet.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134406] RE: crystal radio project for kids - kinda long  
Message-ID: <01C2559C.304543A0.nkennedy@tcainternet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="us-ascii"  
Content-Transfer-Encoding: 7bit

I had a crystal radio when I was a kid (1960?) that used this type of tuning. I wasn't much of a homebrewer at the time and purchased this one from an ad in the back of a comic book--right next to Charles Atlas.

I think it was called a Rocket Radio or similar. Designed to look like the nose cone of a rocket and had a rod coming out the pointy end that you used to move the ferrite (or maybe powdered iron) slug in and out of a coil. I could pick up the 500 watt Paris, AR station about 6 miles distant. I was amazed (and still am) that the thing could snatch enough energy right out of the air to put music in my ear!

I saw some of those radios for sale at Arkiecon this year. Should have picked one up.

72--Nick, WA5BDU

-----Original Message-----

From: Leon Heller [SMTP:leon\_heller@hotmail.com]  
Sent: Friday, September 06, 2002 11:29 AM  
To: Low Power Amateur Radio Discussion  
Subject: Re: crystal radio project for kids - kinda long

Further to my suggestion of using permeability tuning, I have just done some tests on a simple tuning device using a ferrite rod.

-----  
Date: Fri, 6 Sep 2002 09:53:46 -0700 (PDT)  
From: Gary Slagel <gdslagel@yahoo.com>  
To: QRP L <qrp-l@lehigh.edu>  
Subject: [134407] Another do I need a balun question  
Message-ID: <20020906165346.69405.qmail@web11607.mail.yahoo.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

This is similar to the other balun thread we had going yesterday and today.

I've got 2 big baluns that I made by coiling coax. They hang on the exterior wall just outside the shack and work pretty well for me for feeding my two balanced lines into the shack. I'm putting yet another antenna on the house this weekend and would like to appease the xyl a little by cleaning up the rats nest of wires/cables hanging there on the wall.

What kind of impact would it have if I just take the baluns out, hooking the balanced line directly to two 10' chunks of coax fed into the shack. The two antennas are a 10/15/20 quad feed with 450 ohm line and an 88' dipole feed with 300 ohm tv ribbon. They would connect to the coax lines and then the coax lines are fed, side by side, through a 1 1/2" pvc and into the shack.

Thanks from my xyl for any advice!  
73, Gary

=====  
Gary Slagel/N0SXX  
Conifer, CO 80433  
gdslagel@yahoo.com  
Personal Website: <http://gdslagel.bravepages.com>

-----  
Do You Yahoo!?  
Yahoo! Finance - Get real-time stock quotes  
<http://finance.yahoo.com>  
-----

Date: Fri, 06 Sep 2002 11:55:59 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: bkassel@mato.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [134408] Re: Antenna Beam Width Question  
Message-ID: <3D78DE1F.6A1E1F82@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Brian, I can think of no reason at all why EZNEC 3.0 cannot model your proposed antenna and answer about any question that you might have. The pattern plots show the beamwidth along with the other parameters.

EZNEC 3.0 (Windows) is a snap to use. I have used it since it came out for modelling a variety of antennas and have yet to find a situation that it cannot handle.

If you haven't already done so, download the free demo from Roy Lewallen's website (see his ad in QST) and get acquainted with the program. I don't think that the demo will handle the V-beams that you have in mind, but it will give you an example of what it can do and give you confidence in running the program.

No business interest in this, jut enormous personal and professional respect for Roy and a user of his programs since the very first version several years ago.

73/72, George  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR - the Yellow Rose of Texas  
In the 57th year and it just keeps getting better!

Brian Kassel wrote:

>  
> QRP Folks:  
>  
> I am in the process of designing and building several vee long wire  
> antennas for this new QTH.

-----

Date: Fri, 06 Sep 2002 17:00:51 +0000  
From: Arthur Moe <kb7ww@easystreet.com>  
To: aa4lr@arrl.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>

Subject: [134409] Re: Favorite low loss coax?  
Message-ID: <3D78DF43.63D7E94@easystreet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

All,

>  
> The main problem with 9913 (and the similar LMR-400), is that the air  
> dielectric tends to collect condensation after a while. Once the cables  
> fill up with water, they are no longer low-loss....

The LMR series if coax is not Air Dielectric it is Closed Cell Polyethylene foam.

[www.timesmicrowave.com/cgi-bin/byteserver/products/commercial/catalog/infcover.pdf](http://www.timesmicrowave.com/cgi-bin/byteserver/products/commercial/catalog/infcover.pdf)

Art  
KB7WW

-----  
Date: Fri, 06 Sep 2002 12:07:08 -0500  
From: Mike <mmorrow@companet.net>  
To: nkennedy@tcainternet.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134410] Re: crystal radio project for kids - kinda long  
Message-ID: <3D78E0BC.11B1@companet.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Nick Kennedy wrote:

> I was amazed (and still am) that the thing could snatch enough  
> energy right out of the air to put music in my ear!

In my old radio collection I have a World War ONE (1918) US Army Signal Corps crystal receiving set (BC-14-A), which tunes 200 meters to 600 meters. It was probably the high point of crystal set development, with top-notch mechanical construction, a flexible arrangement of tuning circuits, a sophisticated crystal element tickler adjustment capsule, and spare commercial-made crystal elements. It even contained a crude RF noise generator in the form of a battery operated buzzer that was used when adjusting the tickler contact on the crystal element for best

sensitivity.

They must have worked well enough for the US Army to have produced such sets for communications purposes.

Mike / KK5F

-----  
Date: Fri, 06 Sep 2002 12:38:30 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: pwomble1@tampabay.rr.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [134411] Re: Fox- K4FB Log  
Message-ID: <3D78E816.36E6B686@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Paul, the lack of \*Pesky\* Texans was very evident at this end! Not sure about Peksy Texans, though! <:}

You were totally in the noise almost all the time here just north of Dallas. N5ZE in Austin could hear you and worked you at 0213 when the group up here was completely unable to hear you. K5TR is also in the Austin area. WR50 is way out in El Paso - not sure about the QTH of KK5LD.

But the line was clearly drawn and unless you were far enough away from FL, no signal at all. This same effect was present all Summer with the CO stations. Anything closer than about 800 miles was receiving vapor.

Anyway, glad you made that many contacts with the propagation. I suspect that we all are looking forward to Winter and 40 meters where we can hear the Foxii nearly every time - along with "Hola! Hola!"

73/72, George  
Fairview, TX 30 mi NE of Dallas in Collin county EM13qe  
Amateur Radio W5YR - the Yellow Rose of Texas  
In the 57th year and it just keeps getting better!

Paul Womble wrote:

>

> Here's the first draft of my log from last night. Not as many pelts  
> handed out...but that leaves plenty for next time! I know that the F1  
> key on my keyboard handles repeated pushes well ;-)

>

> Notice the amount of Peksy Texans...not very many! Some might say that



> the run of VE's early on might earn them the title of Peksy!

-----

Date: Fri, 06 Sep 2002 13:56:10 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134412] Re: Fox- K4FB Log  
Message-ID: <3D78EC3A.DBB5BF22@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Oops...thank's George. "Pesky" is correct :-)

The majority of the stations I worked last night were quite strong. Very few "weak ones". It was all or nothing.

The Pesky VE's all took top honors. I think last night is the loudest I have heard VE5RC on any band.

This 20m season, if nothing else, has been an interesting study in propagation. The 40m hunt is a totally different animal.

73,  
Paul K4FB

"George, W5YR" wrote:

> Paul, the lack of \*Pesky\* Texans was very evident at this end! Not sure  
> about Peksy Texans, though! <:}  
>

-----

Date: Fri, 6 Sep 2002 13:56:43 -0400  
From: "Ken Simpson, W8EK" <W8EK@fdt.net>  
To: "QRP List" <qrp-l@lehigh.edu>  
Subject: [134413] TenTec 544 Triton Digital xcvr FS  
Message-ID: <01fe01c255ce\$c45194e0\$4ccad143@toshiba>

For Sale:

TenTec Triton IV, Model 544, digital HF xcvr  
Covers 80 thru 10 meters (no WARC bands) with up  
to 100 W output, however can be turned down to QRP  
levels, if desired. SSB and CW, with full QSK on CW.

All solid state. This is the model with the digital readout. This one is in nice shape. It has a scratch on the heat sink, and some wear around the mode switch, but in general is in very nice condition. With manual for \$ 275.

TenTec 252 M power supply, 20 amp, 13 V DC supply. Matches the Triton IV series of transceivers. It has an ammeter on front. Good condition, with manual for \$ 100

Buy both of above together for \$360.

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson  
E-Mail to W8EK@fdt.net or W8EK@arrl.net  
Voice Phone (352) 732-8400

-----  
Date: Fri, 06 Sep 2002 18:01:55 +0000  
From: "Leon Heller" <leon\_heller@hotmail.com>  
To: leon\_heller@hotmail.com, qrp-l@lehigh.edu  
Subject: [134414] Re: crystal radio project for kids - kinda long  
Message-ID: <F173bpFcVf08vodifQb0000cae3@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

>From: "Leon Heller" <leon\_heller@hotmail.com>  
>Reply-To: leon\_heller@hotmail.com  
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>  
>Subject: Re: crystal radio project for kids - kinda long  
>Date: Fri, 06 Sep 2002 16:29:28 +0000

>  
>Further to my suggestion of using permeability tuning, I have just done  
>some tests on a simple tuning device using a ferrite rod.

With a better test circuit I actually get 20 uH to 115 uH.

73, Leon

--

Leon Heller, G1HSM Tel: +44 1424 14790

Email:leon\_heller@hotmail.com

My web page: [http://www.geocities.com/leon\\_heller](http://www.geocities.com/leon_heller)

My low-cost Altera Flex design kit: <http://www.leonheller.com>

---

Join the world s largest e-mail service with MSN Hotmail.  
<http://www.hotmail.com>

-----

Date: Fri, 6 Sep 2002 11:12:21 -0700  
From: Steve Smith <sigcom@juno.com>  
To: qrp-l@lehigh.edu  
Subject: [134415] Pacificon Contest: Need 2 more team members  
Message-ID: <20020906.111221.-264435.2.sigcom@juno.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Looking for 2 more participants for our team in the Rock Mite contest at  
Pacificon. Please respond via private e-mail, thanks.

73.....Steve 'The Scrounger' Smith  
WB6TNL Oxnard, CA USA  
"Snort Rosin"

---

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-----

Date: Fri, 06 Sep 2002 18:19:55 +0000  
From: Arthur Moe <kb7ww@easystreet.com>  
To: pwomble1@tampabay.rr.com

Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [134416] Congrats to Paul K4FB  
Message-ID: <3D78F1CB.D1B19DEF@easystreet.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Paul and all,

If my rough counting is right Paul K4FB has collected the most pelts during the summer fox hunts.

GOOD SHOW !!!!!!!!!!!!! Paul

72

Art  
KB7WW

-----  
Date: Fri, 6 Sep 2002 12:25:53 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,  
Low Power Group <qrp-1@lehigh.edu>  
Subject: [134417] new qsl cards for VE5RC+VE5QRP.  
Message-ID: <Pine.LNX.4.33.0209061214470.22830-1000000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

The mailman delivered a nice heavy package a few days ago...it contained my new QSL cards made by Jeff Hetherington, VA3JFF, who runs a beautiful certificate program for working Canada at qrp levels...

...Jeff and I threw a few ideas about my new cards back and forth over e-mail and I now have 1000 new fine looking QSL cards to send out...I'm so far behind on qsls this could be a winter project for me!...hihi...

...I should get busy and mail some of them out so everyone can see the fine work that Jeff does...we adopted the KISS approach so all the important information is on one side...Jeff managed to put my ham history okus a mug shot on the other side...they are black text on a yellow card...

...so if you're looking for new qsl cards, I can recommend that you get in touch with Jeff to discuss a few ideas...and the price was VERY resonable for 1000 cards!...and it's an even better bargain for USA ops considering the exchange rate on the dollar these days...thanks again Jeff!....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Fri, 6 Sep 2002 12:32:41 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Paul Womble <pwomble1@tampabay.rr.com>  
Cc: Raiders of the Lost RF -- Earl Murphy <earlmurf@telusplanet.net>,  
Fred Lesnick <flesnick@tbaytel.net>,  
Subject: [134418] Re: Fox- K4FB Log  
Message-ID: <Pine.LNX.4.33.0209061226400.22830-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Do we have a new nickname for the Raiders of the Lost RF now Paul?...those "Pesky Raiders?"... ;-))

I have to say "amen" Paul about your signal just booming in here last night...it sounded like you were "Working All Canada"...hihi...

...I have found the propagation observations of this summer's hunt very interesting as I'm sure everyone has; all sorts of variations...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

On Fri, 6 Sep 2002, Paul Womble wrote:

> Oops...thank's George. "Pesky" is correct :-)  
>  
> The majority of the stations I worked last night were quite strong. Very few  
> "weak ones". It was all or nothing.  
>  
> The Pesky VE's all took top honors. I think last night is the loudest I have

> heard VE5RC on any band.  
>  
> This 20m season, if nothing else, has been an interesting study in propagation.  
> The 40m hunt is a totally different animal.  
>  
> 73,  
> Paul K4FB  
>  
> "George, W5YR" wrote:  
>  
> > Paul, the lack of \*Pesky\* Texans was very evident at this end! Not sure  
> > about Peksy Texans, though! <:}  
> >  
>

-----  
Date: Fri, 6 Sep 2002 12:35:01 -0600 (CST)  
From: Bruce Rattray <rattray@gpfn.sk.ca>  
To: Arthur Moe <kb7ww@easystreet.com>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134419] Re: Congrats to Paul K4FB  
Message-ID: <Pine.LNX.4.33.0209061234480.22830-100000@neale.gpfn.sk.ca>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Well done Paul...GOOD FORM!....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

-----  
Date: Fri, 06 Sep 2002 13:33:45 -0500  
From: Don <dwitttlic@apci.net>  
To: n5ib@juno.com  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134420] Re: crystal radio project for kids - kinda long  
Message-ID: <3D78F509.681711D3@APCI.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Re Crystal radios:

Lots of great crystal radio ideas in this QRP list,  
Power supply-less receivers are fun to make and use.  
Is anyone nowadays experimenting with a power supply-less  
transmitter?

If you would like a further source of more crystal set  
information,

Let me recommend checking a group in Yahoo:

DXCrystalRadio@yahoogroups.com

It is not super busy, but if I were looking for someone to  
tell me how to build a coherer, this is one place to look.

72,

Don           WN9V

-----  
Date: Fri, 6 Sep 2002 12:35:35 -0700

From: "Bill Jones" <kd7s@psnw.com>

To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>

Subject: [134421] Re: crystal radio project for kids - kinda long

Message-ID: <001901c255dc\$9350fe40\$9110010a@fresno>

MIME-Version: 1.0

Content-Type: text/plain;  
          charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Well, I hope I don't get flamed for an off-topic post but Don's question  
reminded me of a crystal set I built several years ago. It had a single  
transistor a.f. amplifier. The amp was powered by a second crystal set  
tuned to a local 50 KW AM station. The audio was rectified, fed to a  
voltage doubler and was sufficient to drive the amp in fine style. So Don,  
let your imagination run wild .... but it *is* possible.

=====

Bill Jones - <><

Sanger, California

=====

----- Original Message -----

From: "Don" <dwitttlic@apci.net>

> Is anyone nowadays experimenting with a power supply-less  
> transmitter?

-----

Date: Fri, 06 Sep 2002 15:44:34 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134422] Happy Dance  
Message-ID: <3D78CD62.22572.F632019@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

Mail finally arrived today, with QSLs from PW0T and BQ9P. (QRP of course). I hear the VP6DI QSLs are on the way, so still looking for that one.

--

/ \ / \ / \ / \ / \ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_ / \\_ / \\_ / \\_ / \\_ / QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Fri, 6 Sep 2002 18:12:04 +0200  
From: "Juanjo Pastor" <ec5aca@wanadoo.es>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [134423] CQ East Coast III (!!!)  
Message-ID: <000201c255df\$54657b40\$2f0c253e@fer>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: quoted-printable

Hello again,

I will be once again in Liria at 22:00 UTC on 14.060 looking for stateside contacts. Last week I made only a QSO with K3CHP, Joe in the not so mythical state of Delaware. It was really a pleasure with good 559 signals. Hope to copy you all this evening!

73, 72 de Juanjo, EA5CHQ-EC5ACA. EA-QRP #104, G-QRP #9742,  
QRP-L #1662.

Juanjo Pastor  
C/San Roque, 4-1=BA  
46460 Silla  
SPAIN

e-mail: ea5chq@wanadoo.es



Tel.: +034 96 120 17 67  
Movil: 651 35 35 11

-----  
Date: Fri, 06 Sep 2002 16:02:03 -0400  
From: Paul Womble <pwomble1@tampabay.rr.com>  
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [134424] Fox- K4FB Log v 2.0  
Message-ID: <3D7909BB.B4432934@tampabay.rr.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

A couple of minor changes in exchange data below. Any others?

Paul K4FB

02:00 N9NE 599 WI TODD 100MW  
02:00 VE6EX 559 AB DAN 5W  
02:01 KB7WW 559 OR ART 5W  
02:01 NU0V 559 IA JOHN 5W  
02:02 K9IUA 559 IA KEVIN 5W  
02:03 K5DI 559 NM KARL 5W  
02:03 VE3FAL 599 ON FRED 5W  
02:04 VE4WI 559 MB CRAIG 5W  
02:05 VE5RC 559 SK BRUCE 5W  
02:05 VA6RF 579 AB EARL 5W  
02:06 N0TK 559 CO DAN 5W  
02:06 K5TR 559 TX GEO 1W  
02:07 AG0T 559 ND TODD 400MW  
02:08 WR50 559 TX DAVE 5W  
02:09 KK5LD 559 TX JIM 5W  
02:09 N1TP 539 FL TOM 5W  
02:10 N1FN 559 CO ET 5W  
02:11 K7IE 579 OR CLAIR 5W  
02:12 K6MMC 559 CA MIKE 5W  
02:13 N5ZE 559 TX LEW 5W  
02:14 W4NJK 559 CA CHARLIE 5W  
02:18 KI0RB 599 CO VINCE 5W  
02:19 NK6A 539 CA DON 5W  
02:22 W6KI 579 CA GLEN 5W  
02:26 N4ROA 559 VA DAN 5W  
02:28 KG6CYN 559 CA TREV 5W  
02:36 KR0U 579 CO TIM 5W  
02:41 N1WPU 599 MI TED 5W  
02:47 AC7A 559 AZ TOM 2W

02:53 KJ0C 559 MO JIM 5W  
02:54 AL7FS 559 AK JIM 5W  
03:03 KI0II 589 CO RON 1W  
03:06 K0EVZ 589 ND DOC 5W  
03:08 WA9TZE 559 WI JIM 5W  
03:12 KI0MZ 559 CO STEVE 5W  
03:18 AA7EQ 559 AZ BOB 5W  
03:23 K5EOA 556 LA WAYNE 5W  
03:27 K7NWS 579 WA STEVE 5W  
03:31 NQ7T 559 WA GARY 500MW  
03:32 AA5O 559 LA VERN 5W  
03:38 N7XY 559 WA BOB 5W  
03:50 LZ2RS 579 LZ RUMI 5W  
03:54 N1QO 599 VT JOHN 5W  
03:58 IK2XEF 559 IK FRANK 100W  
04:00 K4FB 599 FL Paul 5W

-----  
Date: Fri, 06 Sep 2002 12:52:38 -0700  
From: Arth Silvers <w6ags@arrl.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [134425] Re: End fed wire antenna  
Message-ID: <3D790786.ECB8E2AC@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Interesting thread.

I use what I call an end-fed zepp on 40 meters that is also called a W3EDP. Now purists may not agree that it an EFZ. It consists of a half wave wire between the house and a tree fed at on end with about 17 feet of wire to the tuner. 17 feet of wire is also attached to the tuner chassis and laid down as a counterpois. "Aha!" you say, "An EFZ must be fed at one end with balanced line." as the high impedance end of the half wave is a practical match to the high impedance of an open circuit to the air and surroundings. Now what if the balanced line of an EFZ were split (unzipped if you will) down the middle and the free end laid down as a counterpois and fed in an unbalanced manner. The only difference I see between the W6EDP and the EFZ is that the RF of feed line and counterpois do not cancel and may affect the antenna pattern unless right angles are employed.

Anyway, at 7 mHz its probably OK to call the W3EDP configuration an EFZ. At multiples, it probably looks more like a long-wire and at other

frequencies like a random wire but still works pretty well. It's also quite stealthy.

72

Arth W6AGS

-----  
Date: Fri, 06 Sep 2002 13:15:08 -0700  
From: "Kevin Philbin" <oz2dkp@hotmail.com>  
To: qrp-l@lehigh.edu  
Subject: [134426] Crystal radio..cool variable capacitor  
Message-ID: <F221g3Sv0YKpDS7hx27000000262@hotmail.com>  
Mime-Version: 1.0  
Content-Type: text/plain; format=flowed

Gang,

I often have my college physical science students build a crystal radio (when we talk about waves..)using a pair of soda straws and aluminum foil to make a variable capacitor. Sliding the straw in and out tunes the rig! It appears like magic to them!

D.K. Philbin

-----  
Send and receive Hotmail on your mobile device: <http://mobile.msn.com>

-----  
Date: Fri, 6 Sep 2002 16:18:24 -0400  
From: "Fancher, Mark (GEAE)" <Mark.Fancher@ae.ge.com>  
To: "'w2agn@w2agn.net'" <w2agn@w2agn.net>,  
Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134427] RE: Happy Dance  
Message-ID: <F9351DA9F0F6D41187410090277B3EB307D3076C@ev008msxaege.ae.ge.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

I heard the VP6DI cards were sent out in order of donation. I'm curious if anyone had received a card and how much they sent in.

I sent in \$2 like the web page said, but I understand this puts me in the low

priority category. I guess others sent in more money and got their cards quicker.

It almost seems like there's something wrong with the QSL system for this operation . . . but then again, they say everyone will get a card - eventually.

Mark

-----Original Message-----

From: W2AGN [mailto:w2agn@w2agn.net]  
Sent: Friday, September 06, 2002 3:45 PM  
To: Low Power Amateur Radio Discussion  
Subject: Happy Dance

Mail finally arrived today, with QSLs from PW0T and BQ9P. (QRP of course). I hear the VP6DI QSLs are on the way, so still looking for that one.

--

/\ /\ /\ /\ /\ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_/\\_/\\_/\\_/\\_/\\_ QRP/ARCI, NJQRP, ARQrp, GQRP, RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Fri, 06 Sep 2002 16:25:03 -0400  
From: W2AGN <w2agn@w2agn.net>  
To: w6ags@arrl.net,  
Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [134428] Re: End fed wire antenna  
Message-ID: <3D78D6DF.11574.F88305D@localhost>  
MIME-version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT  
Content-description: Mail message body

On 6 Sep 2002 at 12:52, Arth Silvers wrote:

Anyway, at 7 mHz its probably OK to call the W3EDP configuration an EFZ. At multiples, it probably looks more like a long-wire and at other frequencies like a random wire but still works pretty well. It's also quite stealthy.

Arth W6AGS

Hey Arth, on this list you can call it anything you want. When the same 44' hunk of wire is simultaneously a Zepp, a Dipole, a Marconi and an Inverted L, you can call your wire a W3EDP, a W6EDP an End Fed Zepp, or a used Q-tip. No one will know the difference.

--

/\ /\ /\ /\ /\ John L. Sielke  
( W )( 2 )( A )( G )( N ) <http://www.w2agn.net>  
\\_/\_/\_/\_/\_/ QRPARCI, NJQRP, ARQrp,GQRP,RSGB  
Ex- K3HLU, W7JEF, W4MPC, N4JS

-----  
Date: Fri, 06 Sep 2002 13:35:41 -0700  
From: Arth Silvers <w6ags@arrl.net>  
To: qrp-l <qrp-l@lehigh.edu>  
Subject: [134429] Re: End fed wire antenna  
Message-ID: <3D79119C.DF68BC23@arrl.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

Well then call me Yankee Doodle with an Inverted Macaroni! 8~}

-----original message-----

Hey Arth, on this list you can call it anything you want. When the same 44' hunk of wire is simultaneously a Zepp, a Dipole, a Marconi and an Inverted L, you can call your wire a W3EDP, a W6EDP an End Fed Zepp, or a used Q-tip. No one will know the difference.

-----  
Date: Fri, 6 Sep 2002 14:48:57 -0600 (MDT)  
From: "Karl F. Larsen" <k5di@zianet.com>  
To: Bill Coleman <aa4lr@arrl.net>  
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>  
Subject: [134430] Re: End fed wire antenna  
Message-ID: <Pine.LNX.4.44.0209061444130.3792-100000@bucket.dog>  
MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

Bill just for accuracy:



From: "Carel Mulder" <cmulder@wanadoo.nl>  
To: <qrp-1@lehigh.edu>  
Subject: [134431] AR30 / AR40 control unit  
Message-ID: <002801c255eb\$0cc97500\$02c8c8c8@Zolder01>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Hi all,

For over 20 years I have owned and used a AR30 rotator. After all these years the transformer in the control unit has failed and now I'm looking for a replacement transformer to suit the controlbox. Does anyone know the original output voltages of the secondary windings (motor & control circuit) of the transformer?

Thanks in advance,

72, Carel - PA0CMU

-----  
<http://home.wanadoo.nl/cmulder>

-----  
  
Date: Fri, 06 Sep 2002 17:32:47 -0400  
From: john <john@wagner-usa.net>  
To: pwomble1@tampabay.rr.com  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [134432] Re: Fox- K4FB Log  
Message-ID: <3D791EFF.1050607@wagner-usa.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Paul,

You were really loud here as well, 599++ easy. Couldn't hear Doc at all though.

Good job to the VE's! Took a whole country to do it, but someone finally out Peskied those Texans!

73,

John, N1QO ['eh]

Paul Womble wrote:

> Here's the first draft of my log from last night. Not as many pelts  
> handed out...but that leaves plenty for next time! I know that the F1  
> key on my keyboard handles repeated pushes well ;-)  
>  
> Notice the amount of Peksy Texans...not very many! Some might say that  
> the run of VE's early on might earn them the title of Peksy!  
>  
> N1QO was LOUD but the only station in the Northeast worked.  
>  
> Please send any corrections ASAP.  
>  
> 73  
> Paul K4FB  
>  
>

--

John Wagner - john@wagner-usa.net  
Web page: <http://www.neknetwork.com>

-----  
Date: Fri, 6 Sep 2002 16:45:09 -0500  
From: "Tony Parks" <robert.parks11@gte.net>  
To: <qrp-1@lehigh.edu>  
Subject: [134433] Re: Fox- K4FB Log  
Message-ID: <001901c255ee\$ad9389a0\$d935f143@3dse0>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Bruce Rattray" <rattray@gpfn.sk.ca>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Sent: Friday, September 06, 2002 1:32 PM  
Subject: Re: Fox- K4FB Log

> ...I have found the propagation observations of this summer's hunt very  
> interesting as I'm sure everyone has; all sorts of variations...

Here in central Indiana the foxes were often down in the noise with only a  
character now and then readable. My QRPp shot didn't have a prayer :-(.



Looking forward to better luck on 40 meters this winter.

Tony  
KB9YIG

-----  
Date: Fri, 6 Sep 2002 17:54:31 EDT  
From: IamSF5@aol.com  
To: qrp-l@lehigh.edu  
Subject: [134434] FS tuner  
Message-ID: <6e.22455f9d.2aaa7e17@aol.com>  
MIME-Version: 1.0  
Content-Type: text/plain; charset="US-ASCII"  
Content-Transfer-Encoding: 7bit

Hi Gang,  
I picked up a Murch tuner Model UT-2000-A LS.  
Will carry 2,000 + watts.  
Has two super big caps and roller inductor with a counter and a small meter.  
Never been arced and all controls turn nice and smooth.  
Cabinete is close to a 10.  
Tunes coax and random wire.  
Can upload a PIC if needed.  
Price is \$120.00 shipped.  
Please E mail me direct.  
Thanks.  
Bob  
AF2Q

-----  
Date: Fri, 6 Sep 2002 18:06:50 +0000  
From: ve3ab@mail.mondenet.com  
To: kd7s@psnw.com  
Cc: qrp-l@lehigh.edu  
Subject: [134435] Re: NEW EPROM QRP+..progress report.  
Message-ID: <200209062209.g86M9br08138@mail.mondenet.com>  
MIME-Version: 1.0  
Content-type: text/plain; charset=US-ASCII  
Content-transfer-encoding: 7BIT

Ok Bill ..tnx for the compliments ..Well im just doing a good turn  
for those who helped me on this list. When I had rig  
problems..Stan(now SK) gave me all the help i needed to get the  
problem fixed. So I guess all this can be dedicated to him. Its also  
a great learning experience for me.

The programming equipment hasn't been that busy at work..and I don't get too many opportunities to go in and edit the data in the prompts or eproms or eeproms I do. Mostly it's straight ..making a copy for the service department. So I'm doing it as an experience for learning too. I'm also very interested in the statistical side..ie the success rate. I'm also going to try and get an eprom for the QRP++ so I can try that in my rig. I think this list is a real good technical group and I've really enjoyed being a part of it. 73 Earl VE3AB

-----  
Date: Fri, 6 Sep 2002 03:10:01 -0700  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@lehigh.edu>  
Cc: "Bill Jones" <kd7s@psnw.com>  
Subject: [134436] Bill Jones, KD7S  
Message-ID: <006501c2558d\$931a01a0\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, the way that I read this list is that I go to the html archives and read by title and more so by author. There are several on this list whom I never bother to read. And when a topic goes past 4 or 5 comments, I usually lose interest too. But, I do have my "short list" of guys whom I will read every single posting from, no matter what the subject. Bill Jones is very near the top of that list, if not the top. If there was say a thread on "radio shack bashing" which of course we would never have on this list, and we had 28 postings, if Bill Jones posted to it, I would read it, every single time. Bill, keep posting. I love your stuff, and I think that your QRP Stove is a wonderful topic, in fact, I just may put it in QRPP!! Thanks for all that you do for QRP, and thanks for being one of my heroes. 72,  
Doug

-----  
Date: Fri, 06 Sep 2002 17:35:02 -0500  
From: "George, W5YR" <w5yr@att.net>  
To: john@wagner-usa.net  
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>  
Subject: [134437] Re: Fox- K4FB Log  
Message-ID: <3D792D96.6FBBCF94@att.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit

john wrote:

> Good job to the VE's! Took a whole country to do it, but someone finally  
> out Peskied those Texans!

Sounds like about the proper ratio . . .

73/72, George

Fairview, TX 30 mi NE of Dallas in Collin county EM13qe

Amateur Radio W5YR - the Yellow Rose of Texas

In the 57th year and it just keeps getting better!

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Date: Fri, 6 Sep 2002 16:38:46 -0600 (CST)

From: Bruce Ratray <ratray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@neale.gpfn.sk.ca>,  
Low Power Group <qrp-l@lehigh.edu>

Subject: [134438] QSL cards

Message-ID: <Pine.LNX.4.33.0209061636180.9853-100000@neale.gpfn.sk.ca>

MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

I've received several inquiries re the qsl cards that Jeff Hetherington,  
VA3JFF, made for me...here's Jeff's e-mail...

va3jff@rac.ca

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272  
A-1 Operator Club - 10/10# 944 - QRP Borg#1 - Whiner#10 -  
- VE5QRP SOC#11 - VE5RC SOC#12 - oo#148 - K2#2032 - COG#15 -  
"QRP! How sweet it is!" "I am da man wit "DAH" paddle!"

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Date: Fri, 6 Sep 2002 18:42:03 -0400

From: Rick McKee <kc8aon@juno.com>

To: qrp-l@lehigh.edu

Subject: [134439] Homebrew paddle handles - kinda !

Message-ID: <20020906.184208.8974.9.kc8aon@juno.com>

Gang,

Recently I built a portable 2 lever paddle to go with the SW-40+ I'm patiently waiting for. I built the paddle using some double sided copper clad board and some 1/2" X 1/32" brass straps that I picked up at a hobby store. I soldered up the base section out of the copper clad board, then soldered the brass straps to it for the levers. Then I mounted the thing inside a small plastic project box from Radio Shack (they had it when I needed it !), and let the 2 brass levers stick out the end through a square hole I cut for them. Mounted some stick on rubber feet on the bottom, and had planned on using the same for the handles but just didn't like the looks of it. Then the other day I was talking to my guitar playing brother when I spotted his teardrop shaped guitar picks. I thought to myself "hey, those look just like handles for a small paddle !" So today on my lunch break I ran down to the local guitar shop and picked up 4 of them (get the heavy ones) for a quarter a piece (yes, I got 2 spares). When I got home, I mounted them on the brass levers of my homebrew paddle using double sided Bolink tape (also from the hobby store) for some very neat looking paddle handles ! The guitar shop had several different shape, sizes and thicknesses of the picks, and even had some real cute small tortoise shell pattern picks that would really make a nice small one for backpacking ! Looks pretty good, I may conjure up some different designs now !

72/73 DE: [K] [C] [8] [A] [O] [N]

Rick McKee

Willow Wood, Ohio

QRP- do more with less !

QRP-L #2112, FPqrp #33, AR QRP #269

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End of QRP-L Digest 2670

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